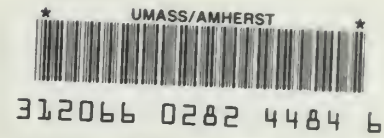


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Commonwealth of Massachusetts



# Massachusetts Service Delivery Area Job Market Reports: **The Hampden County SDA**

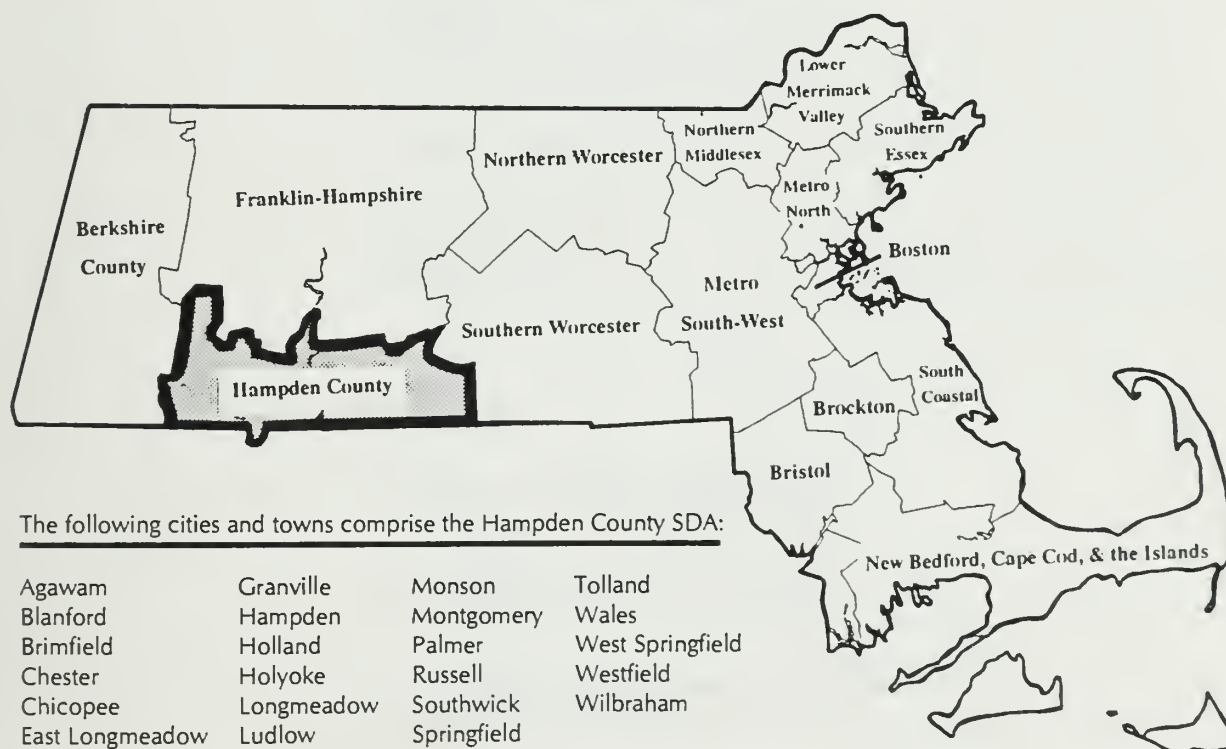
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# Massachusetts Service Delivery Area Job Market Reports: **The Hampden County SDA**





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# Introduction: the SDA Job Market Reports

**T**his report analyzes the economies and job markets of the Commonwealth's 15 Service Delivery Areas between 1984 and 1990. It examines the kind of jobs that local areas generated or lost over the period, the industries that make up the area, the average earnings of workers, the level of unemployment and education in the workforce, and the distribution of jobs by occupation.

This report provides an overview of the emerging economic forces changing the job market. Data on local area population, labor force, employment, unemployment, job growth, wages, and income are included as well as information on how to interpret and use the data.

This report also analyzes the occupational staffing patterns of local economies, publishing for the first time, a detailed occupational employment data base by SDA. Labor leaders, educators, human resource specialists, and Regional Employment Boards can use this data to:

*study the geographical movement of jobs and workers within the state to relate the location and number of workers by occupation to demand.*

*assess and analyze the occupational composition of jobs and skill requirements within areas.*

There are 15 Service Delivery Areas in Massachusetts, each profiled in a separate report. Each report, however, contains an overview of the economic growth in all service delivery areas. Refer to the appendix for a listing of the cities and towns comprising a service delivery area.

Service Delivery Areas were established under the provisions of the 1983 federal Job Training Partnership Act, to tailor the Commonwealth's employment and training programs to the needs of citizens in local areas. Some service delivery areas consist of a single county; others are comprised of two or more counties. The Boston Service Delivery Area is the only single-city SDA, while others cross county lines.

*plan and design education and training programs*

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# How to Interpret the Job Market and Use the Reports

This report is divided into two sections. Section I summarizes the changes in population, employment and unemployment in all 15 Service Delivery Areas, highlighting the geographic concentration of jobs by industry and occupation. Section II profiles the respective service delivery area and presents a detailed series of tables on the area's occupations and industries.

Table A in Section II lists the number of jobs by occupation and provides the percent distribution of the jobs within the area, highlighting the diverse occupational structure of the SDA. Occupations are grouped by skill level to allow comparisons of similar or related occupations.

Table B in Section II lists the industries where jobs are found in major occupations. Finally, Table C presents the number and type of jobs found in major industries in the local economy. Industries are defined in terms of the Standard Industrial Classification (SIC) system. A detailed description of the SIC, including industry definitions is contained in

the *Standard Industrial Classification Manual, 1972* and the *1977 Supplement*.

## How to Use the Data

The following sections briefly outline how to interpret and use the data.

### Population

Population trends provide a measure of an area's economic stability. If an area has high unemployment and is losing its economic base, a decline in employment usually results in an eventual decrease in population and income. The opposite is generally true in areas with fast growing economies. The more jobs an area generates, the more people move into the area to seek employment. Population growth, however, can occur independently of employment in certain areas, particularly if the region is a retirement community.

Population changes from natural increases, the difference in the number of births and deaths, and migration, are identified in Table I.

The 1980 and 1988 population estimates are from the Bureau of the Census. Natural increases are derived from the Massachusetts Department of Public Health's estimates of births and deaths. Net migration estimates are derived by subtracting the total net change in population from the natural increase.

### Labor Force

The size and characteristics of the labor force determine the number and type of people competing for jobs. Changes in educational requirements, the size of the labor force, and the age structure affect employment opportunities.

Table I lists the total number of persons in the labor force, i.e., those that are either employed or unemployed. This count is residentially-based and includes self-employed and unpaid family workers in addition to wage and salary workers.

### Growth vs. Number of Jobs

When assessing an area's economic viability, it is important to distinguish between an area's rate of job creation and the number of jobs generated. Even though an area has a fast rate of job growth it may generate fewer numbers of jobs than slow growing areas. For example, the Brockton Service Delivery Area had the second fastest job growth rate, but generated only 4.7 percent of the Commonwealth's jobs. Many of these jobs were low paying and decreased the area's percentage share of total state wages. By comparison, the city of Boston was the slowest growing area, with job growth averaging 0.7 percent per year. Nevertheless, because of its size it generated 7.6 percent of the state's jobs.

The industry employment data shown in Table 2 is compiled through the Department of Employment and

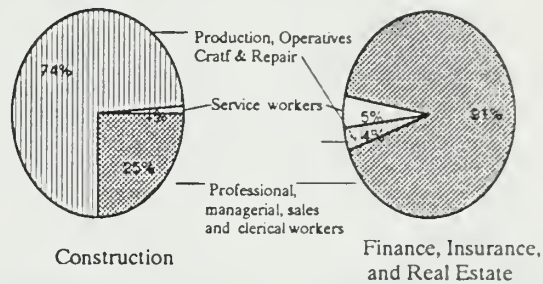
Training's Employment and Wage program. Employment in this context is the count of all persons on the payroll of establishments subject to the Massachusetts Employment Security Law. Employment data were not adjusted to account for such factors as noneconomic coding changes, Standard Industrial Classification code changes, or changes in the multi-location employer reporting. However, since the data are confined to SDAs and large industries and sectors, comparisons of broad economic trends can be made.

### Distribution of Jobs by Industry and Occupation

The number of jobs in an SDA depends in large part on the demand for goods and services produced by the area's industries. The growth or decline of an industry, however, has varying effects on individual occupations because industries employ different types of workers. Growth of manufacturing industries, for example, would tend to increase the employment of engineers, technicians and machine operators. In contrast, growth in the finance, insurance, and real estate industries would likely increase the employment of economists, financial analysts and sales and clerical workers.

The distribution of jobs by occupation in Tables 3, A, B and C is based on 1987 data collected by the Occupational Employment Statistics (OES) program, a Federal-State cooperative program. The OES data show how different industries, and different firms in the same industry employ workers in various skills. Over time the data can provide insights into how jobs are affected by technical advances, foreign competition, and shifts in the demand for goods and services.

**Chart 1: Industries Differ Substantially in the Kind of Workers They Employ**  
Percent Distribution of Wage & Salary Workers, 1987



Occupational staffing patterns are based on 1987 data. Over the short-term, occupational staffing patterns are not significantly affected by changes in the job market. Over the long-term, however, staffing patterns are affected by changes in technology and the number of new workers.

Occupational staffing pattern data were obtained for all industries, except for workers employed in agriculture, private households and the federal government. The industries covered in these tables thus account for 97 percent of all wage and salary workers.

### Average Annual Wages

Average wage data give a comparative measure of how well jobs pay in specific areas and industries. The data, compiled through the Employment and Wage program, approximates an average annual wage by area and industry. It is computed by dividing total wages by the total number of workers employed.

Annual pay data only approximate annual earnings because an individual may not be employed by the same employer all year, or may work for more than one employer. Annual pay is also affected by the ratio of full-time to part-time workers as well as the number of individuals in

high paying and low paying occupations. Industries characterized by high numbers of part-time workers, such as retail trade, show wage levels appreciably below other industries. The opposite effect characterizes industries with low percentages of part-time workers, or industries which typically have heavy overtime work. Average annual wage data may also be influenced by work stoppages, bonus and retroactive pay, and seasonal factors.

Average wages are computed by place of work. Therefore, the earnings of commuters who reside in one area and work in another, are counted in the area of employment.

### Per Capita Income

Per capita income data give a comparative measure of the income of people living in the area versus wage data which reflect earnings of workers who are employed in the area but do not live there. It is computed by dividing total personal income, the sum of earned income from all sources, by the population. Total personal income includes wages and salaries, interest, dividends, and rents, social security etc. Data on per capita income is provided for counties only. It is included to give a more comprehensive picture of an area's economic well-being.



# Overview:

## Job Trends in the SDAs

The Massachusetts economy performed well between 1984 and 1988. Job growth averaged 2.4 percent per year and average annual wages rose 31.1 percent to \$24,150. (In terms of 1982-84 constant dollars wages rose 15.2 percent.) Unemployment stood at 3.3 percent, a level so low that some economists believed Massachusetts had reached full employment. In 1989 Massachusetts employment growth leveled off. Unemployment inched up to 4.0 percent, but it still ranked Massachu-

setts with one of the lowest jobless rates of the 11 large states. In 1990, however, the industries that generated the bulk of the jobs--construction, services, retail trade, finance, insurance and real estate--declined. Unemployment was up 50 percent from 1989, averaging 189,000 workers or 6.0 percent. Massachusetts' unemployment rate is now higher than the nation's, averaging 9.2 percent (287,000 unemployed workers) during first quarter 1991.

Much of the employment in Massachusetts is concentrated in relatively few metropolitan areas. During the eighties, however, the state's job growth was diversified, as the city of Boston recorded the slowest growth rate of the 15 SDA's. But what areas generated the most jobs between 1984 and 1989? What areas had fast growing economies, low levels of unemployment, and high wages? What areas lost the most manufacturing jobs during the period? Which recorded the highest rates of unemployment in 1990? The following tables show the trends that highlight the answers to these questions.

### Population Growth

Table I identifies the SDAs that increased or decreased in population over the decade. It highlights the factors underlying population changes--the natural increase, or the net difference between the number of births and deaths that occurred

**Table 1: Changes in Population, Employment, and Unemployment by Service Delivery Area**  
(Data based on residential counts)

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
1980 Population <sup>(1)</sup>	145,110	216,696	443,018	208,324	454,116	226,991	260,893	372,795
1988 Population <sup>(1)</sup>	138,720	224,420	449,950	225,650	471,300	244,320	279,100	375,180
Natural Increase <sup>(2)</sup>	2,014	6,631	17,123	13,861	18,521	16,186	14,825	11,202
Net Migration <sup>(3)</sup>	(8,404)	1,093	(10,191)	3,465	(1,337)	1,143	3,382	(8,817)
Total Net Change	(6,690)	7,724	6,932	17,326	17,183	17,329	18,207	2,385
<b>1988</b>								
Civilian Workforce	72,490	119,780	216,530	108,550	245,820	142,600	137,570	216,270
Employed	69,330	116,120	209,170	104,800	237,880	137,780	132,040	208,960
Unemployed	3,170	3,670	7,370	3,750	7,940	4,820	5,540	7,310
Unemployment Rate	4.4	3.1	3.4	3.5	3.2	3.4	4.0	3.4
<b>1989</b>								
Civilian Workforce	73,250	121,250	217,710	108,280	247,670	143,600	138,880	220,170
Employed	70,040	116,730	208,650	103,270	237,390	137,170	131,620	211,910
Unemployed	3,210	4,520	9,070	5,020	10,280	6,430	7,260	8,260
Unemployment Rate	4.4	3.7	4.2	4.6	4.2	4.5	5.2	3.8
<b>1990</b>								
Civilian Workforce	74,040	123,530	218,520	107,020	245,550	139,780	136,640	220,380
Employed	69,450	116,940	205,410	99,090	229,430	130,300	126,380	208,360
Unemployed	4,590	6,590	13,120	7,940	16,120	9,480	10,250	12,020
Unemployment Rate	6.2	5.3	6.0	7.4	6.6	6.8	7.5	5.5

(1) Estimates from the Bureau of the Census

(2) Derived from Mass. Dept. of Public Health's estimates of births & deaths

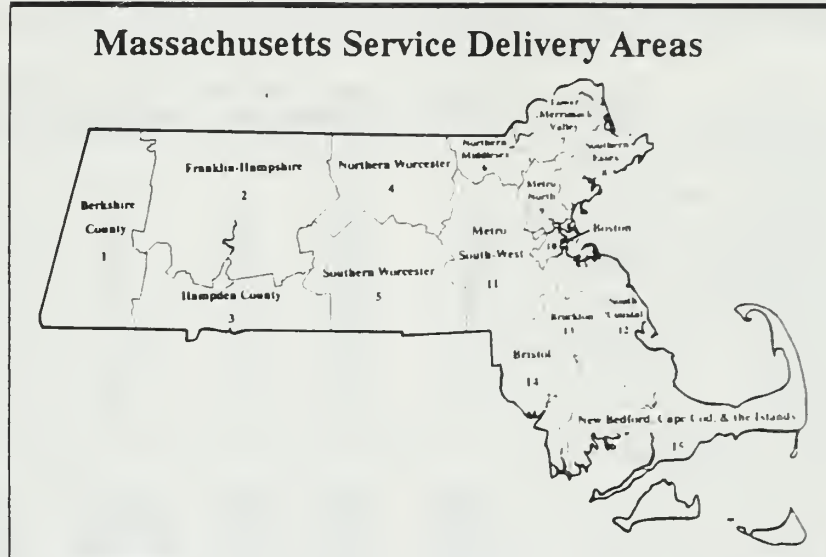
(3) Derived by subtracting total net change from natural increase

between 1980 and 1988; and the net migration, the number of residents that moved in or out of the area.

### Statewide Population Growth

Most of the population growth in Massachusetts from 1980 to 1988 has been entirely driven by natural increases as opposed to increases in the number of people moving into the state. From 1970 to 1980 Massachusetts' population expanded less than one percent; from 1980 to 1989, it grew 3 percent, slightly faster than the last 10 years. This growth, however, is still well below the 8.7 percent national average. Several factors explain Massachusetts' slow population growth.

While births have declined throughout the nation, the decline is more pronounced in Massachusetts. From 1960 to 1985, live births in Massachusetts declined 27 percent while nationally, live births declined 12 percent.



Migration out of Massachusetts has been substantial. From 1970 to 1980, 263,000 people left the state. Although the economy improved in the 1980s, Massachusetts still had a net out-migration of 66,800 people between 1980 and 1988.

### Population Growth by SDA

Population changes among the SDAs varied. Population increased in 13 SDAs and declined in two. All SDAs had natural population increases, but only 5 SDAs—New Bedford, Cape Cod and the Islands, Northern Worcester,

Metro North	City of Boston	Metro South/West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
725,993	562,994	797,325	453,042	212,705	304,053	353,041	5,737,096
705,680	577,830	808,700	467,410	216,640	311,600	393,200	5,889,700
15,891	26,362	28,788	15,854	13,766	13,217	5,213	219,454
(36,204)	(11,526)	(17,413)	(1,486)	(9,831)	(5,670)	34,946	(66,794)
(20,313)	14,836	11,375	14,368	3,935	7,547	40,159	152,603
396,940	302,660	464,570	248,250	115,820	159,210	207,470	3,155,000
385,960	292,340	454,110	240,640	111,570	152,370	198,270	3,052,000
10,980	10,330	10,470	7,610	4,250	6,830	9,200	103,000
2.8	3.4	2.3	3.1	3.7	4.3	4.4	3.3
399,080	304,160	466,910	250,080	117,250	162,310	209,190	3,180,000
385,830	292,240	454,010	240,570	111,810	153,590	198,130	3,053,000
13,250	11,920	12,900	9,500	5,440	8,720	11,070	127,000
3.3	3.9	2.8	3.8	4.6	5.4	5.3	4.0
397,070	302,530	462,940	250,000	116,820	162,050	209,250	3,166,000
377,300	285,790	443,990	235,230	108,550	148,350	192,340	2,977,000
19,780	16,740	18,960	14,780	8,270	13,700	16,900	189,000
5.0	5.5	4.1	5.9	7.1	8.5	8.1	6.0

**Table 2: Job Growth in Service Delivery Areas by Sector, 1984-1989** *(Data based on Number of Jobs in Area)*

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
<b>Avg Annual Percent Change</b>								
Total, all Industries .....	1.7	2.8	1.9	1.7	3.0	1.8	1.8	1.4
Construction .....	13.0	10.8	8.5	7.8	7.1	5.1	5.3	5.7
Manufacturing .....	-3.1	-2.3	-2.8	-3.3	-1.0	-2.6	-2.1	-3.6
Communications/Utilities .....	3.9	2.6	4.2	2.7	3.8	8.2	2.2	4.7
Wholesale Trade .....	-4.3	8.8	1.7	9.6	5.5	8.8	2.7	3.8
Retail Trade .....	2.7	4.5	3.0	3.3	3.6	2.1	2.7	1.1
Banks, Ins. & Real Estate .....	0.3	8.7	3.2	5.1	6.0	5.6	3.5	5.2
Services .....	4.5	4.5	4.0	5.6	5.3	6.9	5.6	4.8
Government .....	1.8	1.0	2.2	2.2	2.2	2.0	3.5	2.2
<b>Net Change, 1984-1989</b>								
Total, all Industries .....	5,000	10,380	18,070	6,510	30,680	8,420	9,980	11,100
Construction .....	1,770	1,420	2,530	1,030	2,430	840	940	1,520
Manufacturing .....	(2,480)	(1,670)	(6,550)	(4,130)	(2,650)	(4,850)	(4,750)	(6,700)
Communications/Utilities .....	320	300	1,640	330	1,630	1,280	420	1,010
Wholesale Trade .....	(450)	850	740	1,190	3,330	1,450	710	1,370
Retail Trade .....	1,690	3,300	5,710	2,190	6,880	1,770	2,330	2,170
Banks, Ins. & Real Estate .....	20	990	2,060	560	3,470	770	790	1,620
Services .....	3,550	4,150	8,590	3,810	12,560	5,750	6,750	8,150
Government .....	530	820	3,100	1,300	2,520	1,120	2,470	2,050
<b>Percent Change, 1984-1989</b>								
Total, all Industries .....	8.6	14.6	9.7	9.0	16.0	9.0	8.8	7.5
Construction .....	81.6	62.7	46.9	37.0	34.8	24.4	25.9	30.2
Manufacturing .....	-14.7	-11.0	-13.3	-15.4	-5.0	-12.4	-10.6	-17.0
Communications/Utilities .....	20.4	13.8	22.6	13.2	20.2	40.5	10.0	25.5
Wholesale Trade .....	-22.4	51.0	7.7	56.7	30.2	50.8	14.1	20.7
Retail Trade .....	13.8	24.3	16.1	17.6	19.4	10.9	14.1	5.7
Banks, Ins. & Real Estate .....	1.0	47.8	16.9	27.3	32.7	28.0	18.5	28.7
Services .....	24.2	24.3	21.6	30.8	29.3	39.1	31.1	26.3
Government .....	9.4	5.0	11.7	11.6	11.2	10.5	18.6	11.6

Lower Merrimack Valley, Northern Middlesex, and Franklin-Hampshire--had net in-migration.

Table 1 shows that New Bedford, Cape Cod and the Islands gained the most population over the decade, while Metro North and Berkshire County lost population. There are a number of reasons for population changes. One is that people move out of areas with weak job markets to where the jobs are. In Berkshire County and Metro North, job growth underperformed that of the state. But in New Bedford, Cape Cod and the Islands population growth primarily resulted from 34,946 people moving into the area. The area's economic boom, quality of life, and lower cost of living attracted them

to seek employment or retire. The characteristics of this SDA therefore make economic analysis of the employment growth to population growth relationship more difficult.

#### **A Note on Population Counts**

At the time of this writing, 1990 Census data were not available. Some preliminary figures have since become available, showing a faster rate of growth between 1980 and 1990. Differences in the statewide rate of growth from 1980-1988 and 1980-1990, appear to be less than two tenths of a percentage point on an annualized basis. On an SDA basis, differences in the rate of change between the two figures appear to be most significant for only Bristol, Franklin-Hampshire, Metro North,

and Southern Worcester. However, population counts for 1990 are preliminary and are subject to possible correction for undercounts or overcounts. The U.S. Department of Commerce is considering whether to correct these counts and will publish corrected ones if any, no later than July 15, 1991.

#### **Labor Force and Employment**

Table 1 also identifies the areas with the largest labor force and the most employment in 1988, 1989, and 1990. Some significant differences exist in the concept of employment. Because interurban commuting outside of many service delivery areas is common, residential and business growth often diverge. The data in table 1 are



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
1.3	0.7	2.0	3.3	3.0	2.1	2.3	1.8
5.7	3.1	5.2	8.1	6.6	11.8	6.4	6.1
-3.6	-7.0	-2.1	-5.4	-3.6	-3.1	-4.8	-3.6
4.7	-2.3	1.5	5.8	3.0	2.4	2.0	1.0
3.9	-4.7	6.4	4.8	10.2	8.5	7.0	3.9
1.1	-1.5	1.8	2.2	4.8	5.0	3.0	2.1
5.2	1.4	4.4	10.9	6.0	4.6	4.4	4.1
4.8	3.0	5.0	6.7	5.1	4.7	5.7	4.4
1.0	2.7	1.0	1.0	0.8	3.8	2.5	2.0
22,560	19,680	46,060	27,780	12,180	13,230	17,200	258,190
3,110	1,670	3,980	3,630	1,150	2,280	1,990	30,430
(26,530)	(14,220)	(14,230)	(6,860)	(2,610)	(7,060)	(6,450)	(112,440)
(1,120)	(4,140)	1,030	1,760	670	420	660	5,680
8,920	(5,630)	10,770	2,120	2,390	2,600	1,540	31,580
4,980	(4,610)	7,030	4,950	4,660	6,270	5,970	55,930
6,950	5,110	4,680	7,960	960	1,110	1,310	38,730
24,380	29,040	29,960	12,490	4,190	4,880	9,310	167,370
1,540	12,370	2,460	900	490	2,580	2,410	36,540
6.5	3.7	10.2	17.7	16.1	11.1	12.1	9.2
23.8	15.6	25.7	43.7	35.2	67.0	31.6	31.6
-32.6)	30.4	-10.3)	-24.6)	-17.0	-14.8)	-21.8)	-16.7)
8.4	-11.1	7.1	31.5	14.8	12.2	10.0	4.8
40.9	-21.8	35.7	26.4	60.6	48.2	39.8	21.0
8.2	-7.3	9.1	11.5	26.5	27.1	15.8	11.1
57.7	6.9	23.8	65.8	33.7	25.0	23.2	22.1
21.3	15.6	27.7	38.2	28.3	26.0	32.0	23.7
5.3	14.2	5.2	4.9	3.8	20.2	12.9	10.4

residentially based, so heavily populated areas usually have the largest labor force and employment. The data in tables 2, 3, and 4 are employer based. These tables represent employment changes in business establishments within an area.

Massachusetts' civilian labor force grew by 10.9 percent or by 313,000 between 1980 and 1989. Women accounted for 80.2 percent of the increase. Hurt by slow population growth, Massachusetts' labor force growth lagged behind the 15.8 percent national average growth rate recorded for the same period. In 1990, however, the Massachusetts labor force declined marginally to 3,166,000, a loss of 14,000 workers from 1989.

Over half of Massachusetts' labor force resided in 5 SDAs and more than a third lived in just three of these SDAs—Metro South-West, Metro North, and the City of Boston.

Metro South-West, the area bounded by Route 128 and Interstate 495, has the largest and most educated labor force in the state. In 1990 it accounted for approximately 15 percent of the state's labor force and employment. Metro North and the City of Boston, the second and third largest SDAs in terms of population and employment, accounted for 12.6 and 9.6 percent of Massachusetts employment, respectively.

South Coastal and Southern Worcester, the fourth and fifth largest SDAs,

each accounted for about 8 percent of Massachusetts' employment. Berkshire County, the state's smallest SDA in terms of population, labor force, and employment had only 2.3 percent of the state's employment.

### Unemployment

Table I also shows the distribution of unemployment and the jobless rates among the 15 SDAs. Bristol, New Bedford, Cape Cod and the Islands, and Lower Merrimack Valley, areas with nondiversified economies, had among the highest rates of unemployment in the state in 1988, 1989, and 1990. In 1990, Bristol's and New Bedford, Cape Cod and the Island's jobless rate topped 8.0 percent. Despite problems in its high technology industries, Metro South-

**Table 3: Distribution of Jobs in Service Delivery Areas by Industry & Occupation**

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
<b>Industrial Distribution</b>								
Total Jobs .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Construction .....	5.9	4.5	3.9	4.8	4.2	4.2	3.7	4.1
Manufacturing .....	22.9	16.6	20.8	29.0	22.8	33.8	32.4	20.4
Communications/Utilities .....	3.0	3.0	4.4	3.5	4.4	4.4	3.7	3.1
Wholesale Trade .....	2.5	3.1	5.0	4.2	6.5	4.2	4.7	5.0
Retail Trade .....	22.2	20.7	20.2	18.5	19.0	17.7	15.3	25.2
Banks, Ins. & Real Estate .....	4.0	3.8	7.0	3.3	6.3	3.4	4.1	4.5
Services .....	28.9	26.0	23.6	20.4	24.9	20.1	23.0	24.5
Government .....	9.9	21.2	14.5	15.9	11.3	11.5	12.7	12.3
<b>Occupational Distribution</b>								
Total, all Occupations .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial & Executive .....	8.8	8.7	7.7	8.6	8.6	9.0	8.0	8.6
Prof. & Technical .....	19.9	21.8	16.7	14.8	18.9	23.3	20.7	16.6
Marketing & Sales .....	12.0	10.6	13.7	11.5	12.6	13.1	9.8	14.0
Clerical & Administrative .....	14.8	15.2	17.3	15.3	18.0	16.8	16.6	16.6
Service .....	16.9	17.9	15.6	13.3	15.0	12.4	13.9	17.5
Prod, Const Wkrs/Operators .....	27.7	25.8	29.0	36.5	26.9	25.4	30.9	26.8

West continues to have the lowest unemployment rate in Massachusetts, helped along by a low population growth rate, about half that of the state.

### Job Growth

Table 2 details the economic growth within each SDA over the 1984-1989 period. It identifies the average yearly change in industry employment levels among the SDAs, the number of jobs generated or lost by each industry over the 5 year period, and the percent change in industry employment levels between 1984 and 1989.

It is important to note that annual 1990 SDA job data are not available at the time of this writing. However, statewide job losses for 1990 totalled 125,700, the highest ever recorded. This downward trend is expected to continue well into 1991.

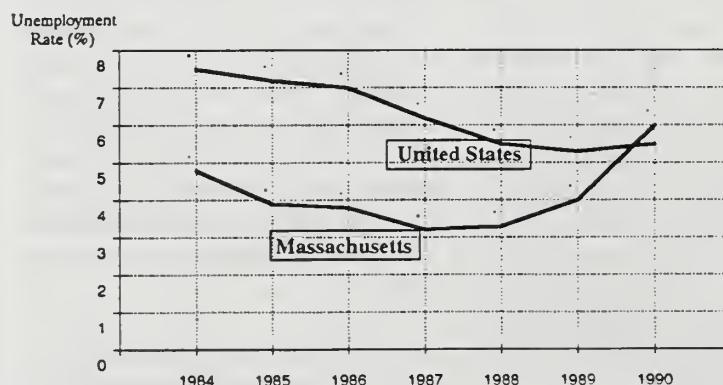
Metro South-West generated over 46,000 jobs, the most of any SDA between 1984 and 1989. South-

ern Worcester generated 30,680 jobs, thesecond largest number. This is significant because Southern Worcester is only one-half the size of Metro South-West, in terms of total number of jobs. South Coastal, benefiting from the expansion of office employment and its proximity to Boston, generated 22,560 jobs, the third largest number of jobs and the fastest rate of growth at 17.7 percent. In total, these three SDAs accounted for over 38 percent of the

Commonwealth's jobs between 1984 and 1989. Boston, the state's capital and largest SDA, generated 19,675 jobs, less than half the number Metro South-West created. Job growth averaged 0.7 percent per year in Boston, the lowest of Massachusetts' SDAs.

Service industries generated the bulk of the SDAs' jobs over the period. Only in Brockton and Bristol, areas

**Chart 2: Unemployment rates decreased between 1984 and 1987 in Massachusetts, while they continued to fall in the US until 1989.**





Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.4	2.2	3.9	6.4	5.0	4.3	5.2	4.2
14.9	5.9	24.7	11.3	14.4	30.6	14.6	18.3
3.3	6.0	3.1	4.0	5.9	2.9	4.6	4.1
8.3	3.7	8.2	5.5	7.2	6.0	3.4	6.0
17.8	10.7	16.8	26.0	25.3	22.1	27.6	18.4
5.1	14.4	4.9	10.8	4.3	4.2	4.4	7.0
37.5	39.0	27.7	24.4	21.6	17.8	24.2	28.6
8.2	18.0	9.9	10.3	15.4	11.5	13.3	12.8
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9.4	9.6	9.2	9.0	7.9	7.5	8.8	8.4
21.4	25.9	23.0	16.3	16.1	14.4	15.3	22.2
12.6	9.6	12.7	15.4	13.6	12.6	13.6	11.7
19.9	24.3	18.1	20.0	18.9	15.9	15.7	18.7
14.3	16.9	14.2	16.1	15.4	14.6	19.5	16.0
22.4	13.7	22.8	23.2	28.2	35.5	27.1	23.0

with high concentrations of retail trade industries, did the retail trade sector generate more jobs than service industries.

The mix of service industries within each SDA varies. Boston, Metro South-West, and Metro North have the highest concentrations of high technology service industries in the Commonwealth. In these 3 SDAs, annual service industry wages approximated \$27,000, significantly higher than other SDA's (see table 4). For example, Bristol, Northern Worcester, and Franklin-Hampshire, with smaller concentrations of business service industries, have average annual service industry wages that are only 66 percent of Boston, Metro South-West and Metro North.

The plight of the state's manufacturing sector is also very visible in table 2. Manufacturing employment declined in every SDA over the 1984-1989 period. However, the biggest losses of manufacturing jobs have been in Metro North which lost 26,530 jobs; Metro South-West which

lost 14,230 jobs; and the City of Boston which lost 14,220 jobs.

### Job Distribution by Industry and Occupation

Table 3 shows the distribution of jobs by industry sector and occupational group in the state's 15 SDAs. These tables highlight the geographic differences in the structure of each local area's economy and job market. In the city of Boston, for example, fewer than 6 percent of the jobs are in manufacturing industries. In contrast, almost a quarter of the jobs in Metro South-West and over a third of the jobs in Northern Middlesex are in manufacturing.

The mix of industries and the structure of an area's economy directly influences the number and types of jobs found within the SDA. The distribution of jobs in major occupational categories in table 3 illustrates this point. In Berkshire County, for example, approximately 23 percent of the workforce is employed in manufacturing industries, compared to 18

percent statewide. Because an above average number of manufacturing jobs are concentrated in Berkshire County, a greater percentage of the workforce has jobs in production, construction and operating occupations than statewide (28% vs 23%). Similarly, because Berkshire County is not a major banking and insurance center, approximately 15 percent of the SDA's workers have office jobs in clerical occupations, compared to 19 percent statewide.

The distribution of jobs by occupation is based on 1987 data, collected from the Occupational Employment Statistics Survey. Changes in industry structure since 1987 do not significantly affect an area's occupational staffing patterns. Over the long term, however, occupational staffing patterns do change with the advances of technology and supply of new workers.

When reviewing the data in table 3 and tables A, B and C of this report it is important to remember that labor markets for a particular occu-

**Table 4: 1989 Average Annual Wages by SDA and Industry**

	Berkshire County	Franklin Hampshire	Hampden County	Northern Worcester	Southern Worcester	Northern Middlesex	Lower Merrimack	Southern Essex
Total, all Industries .....	\$21,736	\$20,253	\$21,683	\$21,486	\$23,002	\$26,241	\$24,017	\$22,964
Construction .....	25,773	24,628	28,663	25,645	27,444	27,341	28,270	27,525
Manufacturing .....	31,263	25,813	27,554	27,630	30,368	35,339	29,746	33,533
Communications/Utilities .....	22,544	25,654	26,317	21,110	28,219	22,459	29,672	25,602
Wholesale Trade.....	27,853	23,947	26,759	26,563	27,727	31,911	32,433	31,899
Retail Trade .....	12,158	11,282	12,045	12,015	12,432	13,433	12,554	12,916
Banks, Ins. & Real Estate .....	25,548	20,241	26,010	21,010	25,847	25,222	22,964	25,008
Services .....	19,090	18,778	19,635	18,139	19,872	21,959	20,740	19,862

pation may cover areas wider than those defined by the SDAs. Many professional occupations, for example, have national labor markets.

### Average Annual Wages

Table 4 lists the average annual wage in each SDA by industry sector. The average industry wage gives a comparative measure of the industry's pay scale. Compiled through the Employment and Wages program, the data approximates an average annual wage for all workers in the

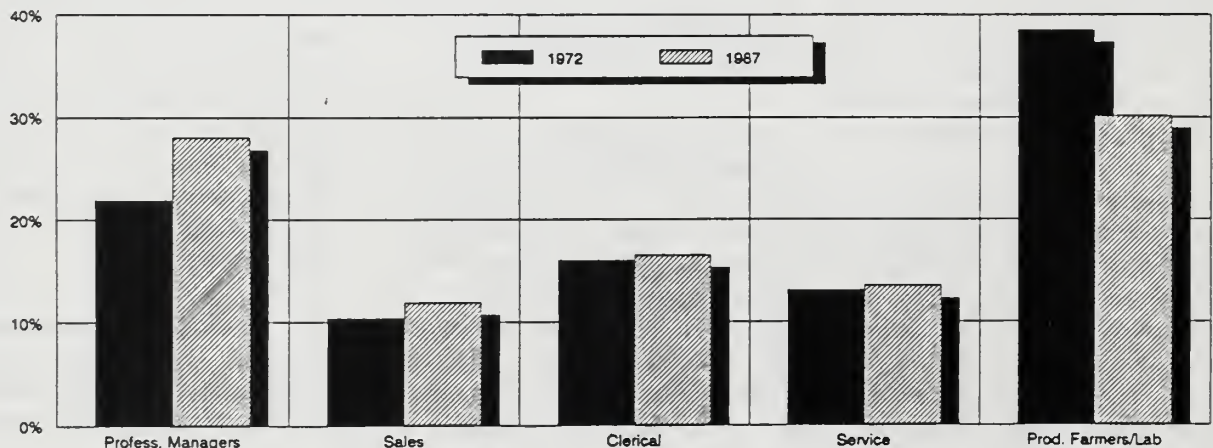
industry. It is computed by dividing the total industry wages by the total number of workers, regardless of part-time or seasonal status.

Given the concentration of banks, law firms, insurance and real estate companies, and high tech industries in Boston, wages here are the highest in the state (\$29,810), followed by Metro South-West (\$28,685), and Metro North (\$26,644). The high concentration of seasonal jobs in New Bedford, Cape Cod and the

Islands contributed to this SDA's reporting the lowest wages in the state (\$19,210).

Wages vary within sectors, depending upon the mix of industries located within the SDA. Given the concentration of computer firms in Metro South-West and Northern Middlesex, for example, the manufacturing wages reported in each of these areas are the highest in the state. In contrast, given the concentration of the low paying apparel

**Chart 3: The percentage share of employment in the US is rising the fastest in occupational groups requiring the most education and decreasing in occupations requiring less education**



Metro North	City of Boston	Metro South-West	South Coastal	Brockton	Bristol	New Bedford Cape & Islands	State of Massachusetts
\$26,644	\$29,810	\$28,527	\$22,685	\$22,568	\$20,306	\$19,210	\$25,220
31,948	35,439	31,775	30,861	29,601	25,010	24,454	29,554
31,688	31,345	36,854	27,016	24,625	23,443	22,333	30,926
30,025	36,196	29,273	31,008	27,067	27,156	25,486	29,889
34,402	34,227	38,408	30,622	29,729	26,733	23,015	32,779
14,747	15,128	15,683	14,238	14,687	12,151	12,743	13,775
26,747	41,550	27,903	26,185	23,572	19,493	22,079	31,525
27,332	27,678	26,609	20,528	20,162	17,916	18,465	24,010

and needle trade industries in Bristol and New Bedford, manufacturing wages here are the lowest in the state.

The same can be said of service industry wages. The city of Boston and Metro North have the highest paying service industries in the state. The average worker employed in Boston's service industries earned \$27,678 in 1989, the highest in the state. Similarly, due to the concentration of high paying engineering, management and research firms in the service industries in Metro North, the area is the only SDA where the average service wage is higher than the average for all wages (\$27,332 vs. \$26,644).

### Education's Importance

With the economy currently restructuring, occupational growth will certainly be affected, since each industry requires a different mix of occupations to produce its goods and services. An analysis of the kinds of jobs generated in the United States between 1972 and 1987 shows that, in general, employment increased the fastest in occupational groups requiring the most education and decreased in occupations requiring less education. In 1972 managerial, executive and administrative occupations were 8.9 percent of all jobs. By 1987, their share increased 2.9 percentage points to 11.8

percent. In contrast, the share of low skilled occupations such as operators, fabricators, and laborers decreased 6 percentage points. In 1972 they were 21.2 percent of all jobs--the largest occupational share--but by 1987 they were only 15.2 percent of all jobs. These trends are expected to continue in the 1990s.

### Education and Jobs in Massachusetts

Despite Massachusetts' recent downturn in employment, the educational requirements in the emerging job market will continue to be more heavily geared toward those jobs requiring either college or post secondary training.



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# The Hampden County Service Delivery Area

## Economic Overview

The Hampden County SDA is the largest and most diversified SDA in western Massachusetts. It comprises 6.7 percent of Massachusetts employment and 7.6 percent of the state's manufacturing. Hampden County has seen both good and bad economic times. During the 1975 and 1982 recessions, economic growth deteriorated significantly and population declined. From 1984 to 1989, however, employment grew and population growth returned to the area. Employment increased 1.9 percent annually, from 186,474 in 1984 to 204,549 in 1989, and unemployment averaged 4.2 percent. As was true for the state, however, employment dropped slightly in 1989, then fell sharply in 1990.

Service and retail trade industries accounted for the bulk of the jobs (80%) over the period. Manufacturing industries lost more than 6,500 jobs. As a result, many of the new jobs generated were lower paying and decreased Hampden County's wages as a percent of total state wages.

Despite the job losses in manufacturing, jobs in production, construction, repair, and machining occupations still

comprise the largest number of jobs (29 percent). Clerical and administrative support workers account for the second largest number of jobs, (17.3 percent), followed by professional and technical workers with 16.7 percent. This represents a significant departure from the state where professional and technical workers have the second largest number of jobs, after production, construction workers, repairers, and machine operators.

## Economic Base

Hampden County's economic base consists of a diverse set of industries and economic activities. Foremost in the area is manufacturing. In 1984 manufacturing was the largest sector of its economy, employing 26.3 percent of the area's workers. By 1989 manufacturing's percentage share of total employment declined sharply to 20.8 percent and became the second largest sector of the economy.

Although Hampden County has very little high tech manufacturing, it comprises 7.6 percent of Massachusetts' manufacturing, mostly concentrated in fabricated metals, paper, printing and

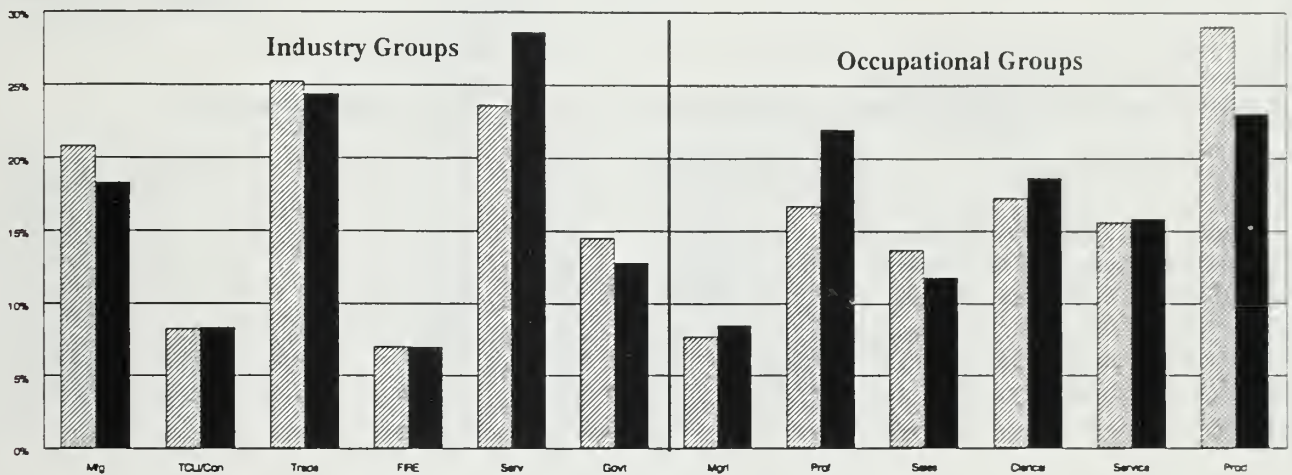
publishing, and nonelectrical machinery. Some of the manufactured goods produced in this area include toys and sporting goods, handguns, handtools, hardware, paper industry machinery, the eastern edition of the Wall Street Journal and office and business paper products such as envelopes, and corrugated and solid fiber boxes.

## Definition of Area

The Hampden County SDA in southwestern Massachusetts comprises 7.6 percent of Massachusetts population and 6.7 percent of employment. Situated at the crossroads of Interstate 91 and the Massachusetts Turnpike, Hampden County is the gateway to northern New England and Canada; southern Connecticut and New York City; and the western Massachusetts Counties of Franklin-Hampshire and Berkshire. This proximity to major markets has helped Hampden County to emerge as a leading business center. All of the cities and towns comprising Hampden County make up the SDA.

# Distribution of Employment by Industry and Occupation

 Hampden County  
 State Average

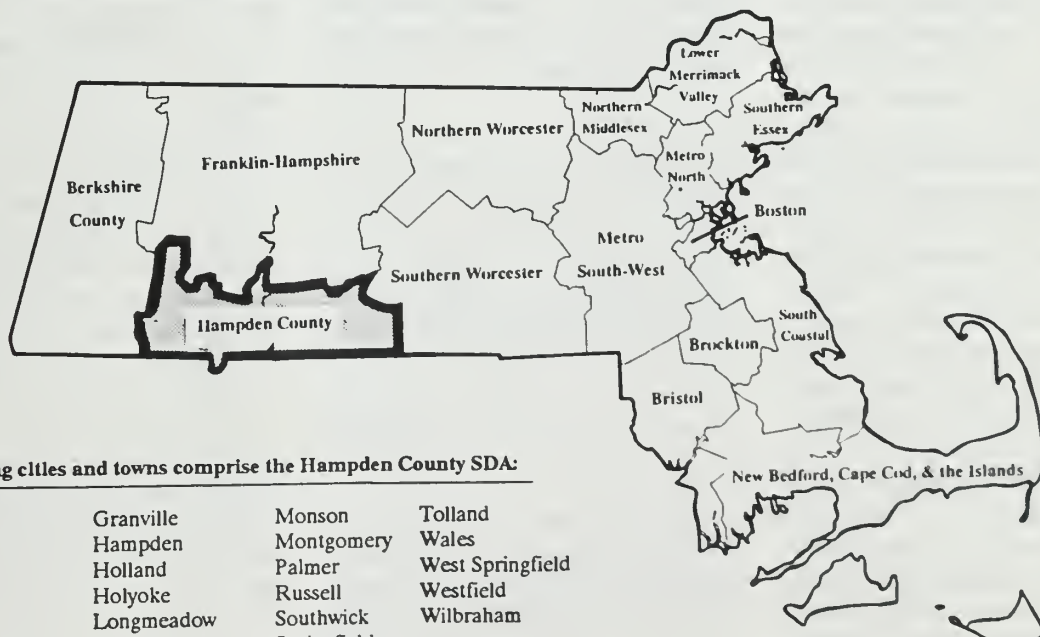


Service industries, including public colleges and universities, schools, and hospitals employ the largest number of workers (48,343 workers), but comprise a smaller percentage of the employment in Hampden County than in Massachusetts (30.8% vs 34.0%). Unlike Massachusetts' diverse service industries, employment in Hampden's

service industries is predominately concentrated in health and educational services. Business, engineering, accounting, research, and management services comprise a smaller percentage share of the sector's employment than is typically found in the state.

Retail trade is the third largest sector

of the Hampden County economy, employing 41,210 workers. It accounts for a greater percentage of employment in this SDA than in Massachusetts. (20.2% vs 18.4%) Despite Hampden's slow population growth, jobs in retail trade grew 16 percent between 1984 and 1989, faster than the 11 percent retail trade expansion in Massachusetts,



The following cities and towns comprise the Hampden County SDA:

Agawam	Granville	Monson	Tolland
Blandford	Hampden	Montgomery	Wales
Brimfield	Holland	Palmer	West Springfield
Chester	Holyoke	Russell	Westfield
Chicopee	Longmeadow	Southwick	Wilbraham
East Longmeadow	Ludlow	Springfield	

## Employment in Major Groups

### Percent Distribution

*(Note employment levels exclude federal government, private households and agricultural workers)*

Employment SDA State  
Average

Total, all Occupations .....	194,670	100.0	100.0
Prod/Construction Wkrs & Operators .....	56,375	29.0	23.0
Clerical & Administrative Workers .....	33,600	17.3	18.7
Professional & Technical Workers .....	32,495	16.7	22.0
Service Workers .....	30,380	15.6	15.9
Marketing & Sales Workers .....	26,750	13.7	11.8
Managers & Executives .....	15,070	7.7	8.5

before slipping in 1990. General merchandise stores, food stores and eating and drinking places employ 62 percent of all retail workers.

Hampden County is the financial center of western Massachusetts with 7 percent of its workforce employed in finance, insurance and real estate, approximately the same percentage share as in all of Massachusetts. In Hampden County, however, insurance companies account for the most jobs in finance, insurance and real estate, rather than banks. Given Hampden's proximity to the Hartford Connecticut major metropolitan area, insurance companies account for 3.3 percent of total employment here, but only 1.7 percent of the state's employment. During the real estate boom, jobs in finance, insurance and real estate soared, growing 17 percent, nearly twice as fast as the average for all jobs. Industry employment fell sharply after the boom, however.

Construction and transportation, communications and utilities each employ less than 5 percent of the workforce. Employment in construction, which was the fastest growing industry during the eighties, declined 9 percent between 1988 and 1989. Jobs in

transportation, communications and utilities also declined marginally between 1988 and 1989, during the telephone strike.

Hampden County's excellent road and air transportation networks have helped to develop wholesale trade establishments. Wholesale trade accounts for 5 percent of total employment in Hampden County and in Massachusetts. Over the 1984-1989 period wholesale trade employment increased 8 percent.

### Occupational Composition

Given Hampden County's concentration of employment in construction, transportation, public utilities, and low tech manufacturing, approximately 29 percent of the SDA's workers are employed in production, construction and machining occupations compared to 23 percent statewide. Similarly, because Hampden

County has a greater percentage share of insurance companies, clerical workers hold the second largest number of jobs. Professional and technical workers hold the third largest number of jobs, followed by service workers, marketing

and sales workers and managers and executives.

### Employment in Major Groups

The following sections summarize employment in occupations with the largest number of jobs within each major group.

### Managerial and Executive Occupations

Managers and executives held 15,070 jobs or 7.7 percent of the jobs in Hampden County in 1987. Statewide, managers have a slightly greater share of jobs (8.5%).

About 28 percent of the managers and executives in Hampden County are managers of finance, personnel, purchasing, marketing, engineering, and administrative services. Financial managers, treasurers, controllers, and cash managers have 1,695 jobs or 11 percent of the managerial jobs.

Another 15.5 percent of Hampden's managers have middle-management jobs in education, medicine and health, manufacturing, construction, property and real estate, food service, and communications.

General managers and top executives,



# Top Ten Occupations and Industries with the Largest Employment

## Top Ten Occupations

Salespersons, Retail Trade .....	7,475
General Managers & Top Executives .....	6,390
Cashiers .....	5,640
General Office Clerks .....	4,705
Waiters & Waitresses .....	4,495
Secretaries .....	3,975
Registered Nurses .....	3,845
Bookkeepers & Accounting Clerks .....	3,370
Nurses Aides, Orderlies & Attendants .....	3,265
Insurance Sales Agents .....	3,095

## Top Ten Industries

Eating & Drinking Places .....	11,560
Hospitals, public & private .....	11,630
Elementary & Secondary Schools, public & private .....	11,380
Local Govt exc schools & hospitals .....	8,630
Grocery Stores .....	6,640
Life Insurance Companies .....	5,940
Department Stores .....	5,540
Misc. Converted Paper Products .....	3,850
Nursing & Personal Care Facilities .....	3,500
Toys & Sporting Goods .....	3,230

whose jobs are too diverse and general in nature to be classified in any functional or line area of management and administration, account for another 42 percent of managerial employment. Although the area's general managers and top executives are found in every industry in the area, employment is more concentrated in the large industries--eating and drinking places and grocery stores--for example.

### Professional and Technical Occupations

Professional and technical workers, numbering 32,495, have 16.7 percent of the jobs in the Hampden County SDA. Teachers, educators and instructors account for the largest number of professional and technical jobs (9,990) or 30.7 percent. Elementary and secondary teachers account for over half of teachers.

Health practitioners, technicians, and technologists have 8,825 jobs, the second largest number of professional and technical jobs in the SDA. Registered nurses, one of the largest occupations in the state and SDA, account for over 40 percent of the jobs in the health diagnosing and treating occupations.

Engineers and engineering technicians account for another 8.7 percent of employment. Mechanical engineers have the greatest number of engineering jobs followed by electrical and electronic engineers. Accountants, auditors and other financial specialists, comprising 5.5 percent of the professional and technical employment, held 1,770 jobs or the fifth largest number of jobs.

### Sales Occupations

Sales Workers account for 13.7 percent of employment in Hampden County compared to 11.8 percent in Massachusetts. Retail trade sales workers, counter and rental clerks, stock clerks and cashiers have approximately 61.4 percent of the sales jobs. Insurance sales workers, manufacturing and wholesale trade representatives, and sales supervisors account for the bulk of the remaining sales employment.

### Clerical & Administrative Occupations

The 33,600 clerical workers account for 17.3 percent of the employment in Hampden County. Secretaries, receptionists, bookkeepers and other general office workers account for over half of the employment.

### Service Occupations

Jobs in food service occupations account for 43.4 percent of the 30,380 jobs in service occupations. Waiters, waitresses and cooks hold the majority of the food service jobs. Nurses' aides orderlies and attendants, janitors and cleaners, social welfare service aides, and cosmetologists comprise 67 percent of the employment in health, personal, and service occupations, while security guards, police detectives, fire fighters account for 86 percent of the employment in protective service occupations.

### Production, Construction & Machining Occupations

This occupational group includes all skilled and semiskilled workers performing machine and manual tasks.

Production and construction workers, repairers, operators and laborers have the most jobs (56,375 jobs) or 29 percent of the jobs in Hampden County. Machine setters, set-up operators, operators, and tenders are the largest jobholders in this group with 21.6 percent of employment. Transportation and material-moving equipment operators such as truck and bus drivers, service station attendants, operating engineers,

## Labor Force, Employment and Unemployment

	Labor Force	Employed	Unemployed	Unemployment Rate	
				SDA	State Average
1983	211,990	195,250	16,740	7.9	6.9
1984	213,870	201,990	11,880	5.6	4.8
1985	210,350	200,810	9,540	4.5	3.9
1986	207,370	198,370	8,990	4.3	3.8
1987	211,160	203,870	7,290	3.5	3.2
1988	216,530	209,170	7,370	3.4	3.3
1989	217,710	208,650	9,070	4.2	4.0
1990	218,520	205,410	13,120	6.0	6.0

and industrial truck and tractor operators, have 8,720 jobs or the second largest number of jobs. Helpers and laborers, with the third largest employment, account for 14 percent of the jobs. The fourth largest employment category, mechanics, repairers and installers have 7,475 jobs or 13 percent. Assemblers and other hand-workers and construction workers comprise 10 and 9 percent of employment, respectively. Precision production workers, supervisors and inspectors with 7.6 percent each, account for the remaining employment.

### Population

Population in Hampden County declined during the seventies and increased marginally in the eighties. From 1970 to 1980 Hampden County's population declined from 459,050 to 443,013 or by 16,032 people. During the recession in 1982 Hampden's population declined further to 442,105. When the economy started to improve in 1984, population began increasing. Hampden County's 1988 population of 449,950 represents a 1.7 percent increase but is still below 1970's level.

The population growth between 1980 and 1988, however, stemmed from an excess of births over deaths. The area

had a natural increase of 17,128 and 1,150 people moved out of the area. Approximately one third of the population lives in Springfield. Chicopee, with 57,650 residents is now the second largest community in western Massachusetts.

### Labor Force/Unemployment

Despite negligible population growth, Hampden County's labor force increased 4.4 percent between 1980 and 1990. Largely fueled by dramatic increases in the number of women working and the "aging" of the baby boom, the labor force increased from 209,400 in 1980 to 218,520 in 1990. Because of substantial number of people leaving the area, however, Hampden County had the slowest-growing labor force in Massachusetts.

With average annual increases in the number of jobs exceeding the number of job seekers, Hampden County's jobless rate fell from 7.9 percent in 1983 to 3.4 percent in 1988. Despite this drop the jobless rate remains higher than the state's.

Calendar year 1987 marked the end of declining unemployment. In 1989 economic growth leveled off and both the number of unemployed and the jobless rate increased. In 1990 the

number of unemployed workers increased sharply and the unemployment rate rose sharply to 6.0 percent, the highest level in 6 years.

### Income/Wages

Jobs created or lost in an area will often impact the standard of living for residents. Most recent income measures compiled for Hampden County indicate a gradual slippage in income compared to changes in the state.

In 1989 the average annual wage for all workers covered by unemployment insurance in Hampden County was \$21,683, 86 percent of the statewide average (\$25,220). In 1980 Hampden's wages were 92.5 percent of the state's wages. The job losses in manufacturing help account for this difference.

During the eighties, wage losses from the lost job in manufacturing could not be offset by typical new jobs created in retail trade and services, sectors that traditionally have lower pay and more part-time hours. In 1989, for example, the average job in manufacturing paid \$27,554 compared to \$19,635 in services and \$12,045 in retail trade. This widening gap is particularly noticeable when real income (adjusted for inflation) trends are considered.



## Real Covered Wage Trends 1982-1984 Constant Dollars

	Hampden	State Average	Difference
1980	15,500	16,766	1,266
1981	15,282	16,580	1,298
1982	15,264	16,901	1,637
1983	15,637	17,412	1,775
1984	15,762	17,727	1,965
1985	16,034	18,228	2,194
1986	16,646	19,078	2,432
1987	17,114	19,769	2,655
1988	17,578	20,414	2,836
1989	17,486	20,339	2,853

Total personal income growth in Hampden County has also fallen behind the state average. Between 1978 and 1988, total personal income grew 8.6 percent annually, compared to the 9.7 percent average annual statewide growth rate. Hampden County's per capita income of \$17,546 in 1988 placed it as the twelfth highest in the state. In 1978 Hampden's per capita income was the ninth highest in the state. What accounts for this lower ranking?

In 1978 high paying durable goods industries accounted for 20.8 percent of earnings, services accounted for 16.3 percent and nondurable goods manufacturing industries, 14.7 percent. In 1988, lower paying service industries accounted for 23.6 percent of earnings, durable goods 13.5 percent, and nondurable goods 11 percent.

Service industries in Massachusetts not only comprise a larger percentage share

of earnings (31.4%), but they also pay higher wages than Hampden County. In 1989 wages in Massachusetts' service industries averaged \$24,010 compared to \$19,635 in Hampden County. Why are Massachusetts' service industry wages higher than Hampden County's? Statewide, Massachusetts has more high technology service industries than Hampden County and this is reflected in higher wages.

**Table A:  
Hampden County  
Employment  
by Occupation**

		Employment	Percent Distribution
Managerial Occupations	Total Occupational Employment	194670	100.00
	Managerial And Administrative Occupations	15070	7.74
	Staff And Administrative Specialty Managerial Occupations	4320	2.22
	Financial Managers	1695	0.87
	Personnel, Training And Labor Relation Managers	385	0.20
	Purchasing Managers	355	0.18
	Marketing, Advertising And Related Managers	715	0.37
	Administrative Service Managers	670	0.34
	Engineering, Mathematical And Natural Science Managers	500	0.26
	Line And Middle Management Industry Specific Occupations	2330	1.19
	Education Administrators	495	0.25
	Medical And Health Service Managers	345	0.18
	Property And Real Estate Managers And Administrators	145	0.07
	Industrial Production Managers	535	0.27
	Construction Managers	265	0.14
	Communications, Transportation, Utilities Operations Managers	220	0.11
	Food Service And Lodging Managers	325	0.17
	Other Managerial And Administrative Occupations	8420	4.33
	Pub Admin Chief Executives, Legislators, General Administrators	230	0.12
	General Managers And Top Executives	6390	3.28
	All Other Managers And Administrators	1800	0.93
Professional & Technical Occupations  (Management Support Occupations)	Professional, Paraprofessional And Technical Occupations	32495	16.65
	Accountants, Auditors And Other Financial Specialists	1770	0.91
	Underwriters	175	0.09
	Loan Officers And Counselors	285	0.15
	Accountants And Auditors	1030	0.53
	All Other Financial Specialists	280	0.14
	Purchasing Agents And Buyers	350	0.18
	Wholesale And Retail Buyers, Except Farm Products	170	0.09
	Purchasing Agents - Exc Wholesale, Retail & Farm Products	180	0.09
	Personnel, Training, Labor Relations Specialists And Related Employment Interviewers	435 100	0.22 0.05
	Personnel, Training And Labor Relations Specialists	335	0.17
	Other Management Support Workers	1275	0.65
	Cost Estimators	255	0.13
	Construction And Building Inspectors	125	0.06
	Compliance Officers, Enforcement Inspectors, Exc Construction Assessors	85 195	0.04 0.10
	All Other Management Support Workers	615	0.32
	Engineers	1375	0.70
	Chemical Engineers	125	0.06
	Civil Engineers, Including Traffic Engineers	145	0.07
	Electrical And Electronic Engineers	310	0.16
	Industrial And Safety Engineers	270	0.14
	Mechanical Engineers	335	0.17
	All Other Engineers	190	0.10
Engineers & Engineering Technicians)			

**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
Architects And Surveying And Mapping Scientists	115	0.06
Architects, Except Landscape And Marine	115	0.06
Engineering And Related Technicians And Technologists	1320	0.69
Civil Engineering Technicians And Technologists	50	0.03
Electrical, Electronic Engineering Technicians, Technologists	440	0.23
Industrial Engineering Technicians And Technologists	60	0.03
Mechanical Engineering Technicians And Technologists	80	0.04
Drafters	270	0.14
All Other Engineering Technicians And Technologists	420	0.22
Physical Scientists	280	0.14
Chemists, Except Biochemists	145	0.07
All Other Physical Scientists	135	0.07
Life Scientists	55	0.03
All Other Life Scientists	55	0.03
Physical And Life Science Technicians And Technologists	330	0.17
Chemical Technicians, Technologists, Exc Health, Engineering	190	0.10
All Other Physical And Life Science Technicians, Technologist	140	0.07
(Computer & Math Scientists)		
Computer Scientists And Related Workers	800	0.41
Systems Analysts, Electronic Data Processing	315	0.16
Computer Programmers	485	0.25
Mathematical Scientists And Related Workers	145	0.07
Operations And Systems Researchers	60	0.03
All Other Mathematical Scientists	85	0.04
Social Scientists, Including Urban And Regional Planners	155	0.08
Psychologists	90	0.05
All Other Social Scientists	65	0.03
Other Selected Social Science Related Workers	1620	0.83
Social Workers, Medical And Non-medical	825	0.42
Social Service Technicians	405	0.21
Recreation Workers	390	0.20
(Lawyers, Paralegals & Related)		
Lawyers And Related Workers	420	0.22
Lawyers	420	0.22
Legal Assistants And Technicians, Except Clerical	215	0.11
Paralegal Personnel	160	0.08
All Other Legal Assistants And Technicians	55	0.03
(Teachers Educa- tors, Librarians & Related)		
College And University Faculty	1365	0.70
Other Teachers And Instructors	7050	3.62
Teachers, Preschool And Kindergarten	505	0.26
Teachers, Elementary	2475	1.27
Teachers, Secondary School	2670	1.37
Teachers, Special Education	515	0.26
Teachers And Instructors, Vocational Education	245	0.13
Instructors, Nonvocational Education	210	0.11
Instructors And Coaches, Sports	240	0.12
All Other Teachers And Related Workers	190	0.10

**Table A:  
Hampden County  
Employment  
by Occupation**

by Occupation	Employment	Percent Distribution	
(Health Practitioners, Technicians & Technologists)	Librarians, Archivists, Curators, Other Slected Ed Rel Workrs	1575	0.81
	Librarians, Professional	255	0.13
	Technical Assistants, Library	195	0.10
	Vocational And Educational Counselors	230	0.12
	Teacher Aides, Paraprofessional	895	0.46
	Health Diagnosing And Treating Practitioners	720	0.37
	Physicians And Surgeons	525	0.27
	Dentists	195	0.10
	Therapists	435	0.22
	Respiratory Therapists	140	0.07
	Physical Therapists	115	0.06
	Speech Pathologists And Audiologists	80	0.04
	Recreational Therapists	100	0.05
	Selected Health Care Maintenance And Treating Workers	5955	3.05
	Registered Nurses	3845	1.98
	Licensed Practical Nurses	1480	0.76
	Emergency Medical Technicians	145	0.07
	Pharmacists	295	0.15
	Dieticians And Nutritionists	125	0.06
	Dietetic Technicians	65	0.03
	Other Health Professionals, Paraprofessionals And Technicians	1715	0.88
	Medical And Clinical Laboratory Technologists And Technicians	450	0.23
	Dental Hygienists	205	0.10
	Medical Records Technicians	90	0.05
	Radiologic Technicians	275	0.14
	Surgical Technicians	110	0.06
	All Other Health Professionals And Others	585	0.30
	Selected Writers, Artists, Entertainers, Athletes And Related	1415	0.71
	Writers And Editors, Including Technical Writers	205	0.10
	Public Relations Specialists And Publicity Writers	60	0.03
	Reporters And Correspondents	155	0.08
	Announcers, Radio And Television	65	0.03
	Photographers And Camera Operators	125	0.06
Artists And Related Workers	80	0.04	
Interior Designers	415	0.21	
Athletes, Coaches, Umpires And Related	310	0.16	
Other Professional, Paraprofessional, Technical Occupations	1605	0.82	
All Other Professional, Paraprofessional And Technicians	1605	0.82	
Marketing & Sales Occupations			
Sales And Related Occupations	26750	13.73	
First Line Supervisors And Manager/supervisors	1860	0.96	
First Line Supervisors And Manager/supervisors - Sales And Re	1860	0.96	
Sales Occupations, Services	3865	1.98	
Sales Agents And Placers, Insurance	3095	1.59	
Brokers And Sales Agents, Real Estate	170	0.09	
Sales Agents, Securitites, Commodities And Financial Services	60	0.03	
Travel Agents	185	0.09	
Sales Agents, Advertising	175	0.09	
All Other Sales Representatives, Service	180	0.09	

**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
Merchandise, Products, Other Sales, Sales-related Occupations	21025	10.79
Sales Engineers	115	0.06
Sales Reps, Scientific And Related Products And Services	555	0.28
Sales Reps, Exc Scientific And Related Products Or Services	1990	1.02
Salespersons, Retail Trade	7475	3.84
Salespersons, Parts	535	0.27
Counter And Rental Clerks	565	0.29
Stock Clerks, Sales Floor	2745	1.41
Cashiers	5640	2.90
All Other Sales And Related Workers	1405	0.72
Clerical Occupations		
Clerical And Administrative Support Occupations	33600	17.26
First Line Supervisors And Manager/supervisor	2615	1.34
First Line Supervisors - Clerical And Administrative Clerks	2615	1.34
Banking, Security, Finance And Credit Workers	2845	1.47
Tellers	1555	0.80
New Accounts Clerks	290	0.15
Credit Checkers	95	0.05
Loan And Credit Clerks	190	0.10
Adjustment Clerks	715	0.37
Selected Insurance Workers	850	0.43
Adjusters, Examiners, Investigators	205	0.10
Insurance Claims Clerks	365	0.19
Insurance Policy Processing Clerks	280	0.14
Investigative And Related Workers, Except Insurance	340	0.17
Bill And Account Collectors	340	0.17
Municipal And Related Workers	95	0.05
Municipal Clerks	95	0.05
Selected Lodging And Travel Workers	125	0.06
Hotel Desk Clerks	125	0.06
Other Selected Industry Specific Workers	745	0.38
Library Assistants And Bookmobile Drivers	165	0.08
Teacher Aides And Education Assistants	315	0.16
Advertising Clerks	110	0.06
Proofreaders And Copy Markers	80	0.04
Real Estate Clerks	75	0.04
Secretaries Stenographers And Typists	4905	2.52
Legal Secretaries	425	0.22
Medical Secretaries	505	0.26
Secretaries	3975	2.04
Other Secretarial Related And General Office Workers	12720	6.54
Stenographers	115	0.06
Receptionists And Information Clerks	1160	0.60
Typists And Word Processors	1225	0.63
Personnel Clerks, Except Payroll And Timekeeping	130	0.07
File Clerks	320	0.16
Order Clerks - Materials, Merchandise And Service	415	0.21
Procurement Clerks	55	0.03
Interview Clerks, Except Personnel And Welfare	235	0.12
Customer Service Representative, Utilities	110	0.06



**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
Bookkeeping, Accounting, Auditing Clerks	3370	1.73
Payroll And Timekeeping Clerks	200	0.10
Billing, Cost And Rate Clerks	680	0.35
General Office Clerk	4705	2.42
Electronic Data Processing, Other Office Machine Occupations	1430	0.73
Billing, Posting And Calculating Machine Operators	215	0.11
Mail Machine Operators, Preparing And Handling	65	0.03
Computer Operators, Except Peripheral Equipment	395	0.20
Peripheral Edp Equipment Operators	70	0.04
Data Entry Keyers, Except Composing	525	0.27
All Other Office Machine Operators	160	0.08
Communications Equipment Operators	470	0.24
Switchboard Operator	380	0.19
Central Office Operators	90	0.05
Mail And Message Distribution Workers	130	0.07
Mail Clerks, Except Machine Operators And Post Office Messengers	60	0.03
	70	0.04
Material Recording, Scheduling, Dispatching, Distributing	3615	1.86
Dispatchers - Police, Fire, Ambulance	85	0.04
Dispatchers - Except Police, Fire And Ambulance	150	0.08
Production, Planning, Expediting Clerks	475	0.24
Meter Readers, Utilities	60	0.03
Stock Clerks - Stockroom, Warehouse And Storage Yard	1065	0.55
Order Fillers, Wholesale And Retail Sales	265	0.14
Traffic, Shipping And Receiving Clerks	1190	0.61
All Other Material Recording And Related Workers	325	0.17
All Other Clerical And Administrative Support Occupations	2715	1.40
All Other Clerical And Administrative Support Workers	2715	1.40
<b>Service Occupations</b>		
Service Occupations	30380	15.60
First Line Supervisors - Service	1175	0.60
Fire Fighting And Prevention Supervisors	205	0.10
Police And Detective Supervisors	140	0.07
All Other Service Supervisors	830	0.43
Protective Service Occupations	3645	1.88
Fire Fighters	960	0.49
Police Detectives And Investigators	945	0.49
Detectives And Investigators	50	0.03
Crossing Guards	230	0.12
Guards And Watch Guards	1240	0.64
All Other Protective Services	220	0.11
Food And Beverage Preparation And Service Workers	13190	6.78
Hosts And Hostesses	395	0.20
Bartenders	1060	0.55
Waiters And Waitresses	4495	2.31
Dining Room, Counter And Cafe Attendants	680	0.35
Bakers, Bread And Pastry	235	0.12
Butchers And Meat Cutters	485	0.25
Cooks, Restaurant	775	0.40
Cooks, Institution Or Cafe	455	0.23
Cooks, Speciality Fast Food And Fast Food	925	0.48
Food Preparation Workers	1795	0.92
All Other Food Service Workers	1890	0.97

**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
Health Service And Related Occupations	4815	2.47
Dental Assistants	290	0.15
Medical Assistants	125	0.06
Nurse Aides, Orderlies And Attendants	3265	1.68
Home Health Aides	780	0.40
Physical And Corrective Therapy Assistants And Aides	60	0.03
Pharmacy Assistants	115	0.06
All Other Health Servicers	180	0.09
Cleaning, Building Service Occupations, Exc Private Househlds	4780	2.45
Janitors And Cleaners, Including Housekeepers And Maids	1460	0.75
Janitors And Cleaners	2945	1.51
All Other Cleaning And Building Service Workers	375	0.19
Personal Service Occupations	1285	0.66
Cosmetologists And Related	440	0.23
Social Welfare Service Aides	670	0.34
Child Care Workers	175	0.09
All Other Service Occupations	895	0.46
All Other Service Workers	895	0.46
Agricultural, Forestry, Fishing And Related Occupations	595	0.31
Gardeners And Groundskeepers, Except Farm	405	0.21
All Other Agricultural, Forestry And Related Workers	190	0.10
Production, Construction & Maintenance Occupations		
Production, Construction And Maintenance Occupations	56375	29.01
First Line Supervisors, Manager/supers - Prod, Constr, Maint	3025	1.56
First Line Supervisors - Mechanics And Repairers	810	0.42
First Line Supervisors - Constuction And Related	365	0.19
First Line Supervisors - Production And Related	1360	0.70
First Line Supervisors - Transportation And Related	135	0.07
First Line Supervisors - Helpers And Others	135	0.07
Blue Collar Worker Supervisors	220	0.11
Inspectors And Related Occupations	1265	0.65
Precision And Production Inspectors	1190	0.61
All Other Inspectors, Testers	75	0.04
(Mechanics, Installers & Repairers)		
Machinery And Related Mechanics, Installers And Repairers	2885	1.48
Machinery Maintenance Mechanics	410	0.21
Mach Maintenance Mechanics, Water Or Power Generation Plant	115	0.06
All Other Machinery Maintenance Mechanics	215	0.11
Millwrights	65	0.03
Machinery Maintenance Wworkers	105	0.05
Maintenance Repairers, General Utility	1975	1.02
Mobile Equipment Mechanics, Installers And Repairers	2135	1.10
Automotive Mechanics	1145	0.59
Automotive Body And Related Repairers	580	0.30
Motorcycle Repairers	55	0.03
Bus And Truck Mechanics And Diesel Mechanics	260	0.13
Mobile Heavy Equipment Mechanics	95	0.05
Communications Equipment Mechanics, Installers And Repairers	130	0.07
Central Office And Pbx Installers And Repairers	130	0.07

**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
	Other Electrical, Electronic Equip Mechs, Installers, Repairs	965 0.49
	Telephone And Cable Tv Line Installers And Repairers	100 0.05
	Data Processing Equipment Repairers	110 0.06
	Electronic Home Entertainment Equipment Repairers	80 0.04
	Electric Home Appliance And Power Tool Repairers	195 0.10
	Electronics Repairers, Industrial Equipment	65 0.03
	Electric Powerline Installers And Repairers	165 0.08
	Station Installers And Repairers, Telephone	180 0.09
	All Other Electric, Electronic Equip Mechs, Reprers, Instllrs	70 0.04
	Other Mechanics, Installers And Repairers	1360 0.70
	Heating, Air Conditioning, Refrigeration Mechs, Installers	365 0.19
	Precision Instrument Repairers	65 0.03
	Coin And Vending Machine Servicers	120 0.06
	All Other Mechanics, Installers And Repairers	810 0.42
(Construction Trades Occupations)		
	Selected Carpentry And Related Workers	1385 0.71
	Carpenters	1055 0.54
	Drywall Installers And Tapers	330 0.17
	Selected Electrical And Related Workers	620 0.32
	Electricians	620 0.32
	Selected Masonry And Related Workers	435 0.23
	Brick Masons And Stone Masons	100 0.05
	Concrete And Terrazzo Finishers	155 0.08
	Reinforcing Metal Workers	90 0.05
	Plasterers And Stucco Masons	90 0.05
	Selected Painting And Related Workers	420 0.22
	Painters, Paperhangers, Construction And Maintenance	420 0.22
	Selected Plumbing And Related Workers	680 0.35
	Plumbers, Pipefitters And Steamfitters	680 0.35
	Selected Floor Related Workers, Except Carpenters	50 0.03
	Carpet Installers	50 0.03
	Selected Road, Rail, Related Constr & Maint Wrkrs, Exc Masons	420 0.22
	Paving, Surfacing And Tamping Equipment Operators	55 0.03
	Highway Maintenance Workers	365 0.19
	All Other Construction Trades Workers	375 0.19
	Sheet Metal Duct Installers	100 0.05
	Roofers	145 0.07
	Glaziers	130 0.07
	Extractive And Related, Including Blasters	735 0.38
	All Other Construction And Extractive Occupations	735 0.38
(Precision Production Occupations)		
	Precision Metal Workers	2430 1.25
	Tool And Die Makers	355 0.18
	Machinists	1255 0.65
	Precision Tool Grinders, Filers, Sharpeners	225 0.12
	Sheet Metal Workers	430 0.22
	All Other Precision Metal Workers	165 0.08
	Precision Woodworkers	265 0.13
	Cabinetmakers And Bench Carpenters	145 0.07
	All Other Precision Woodworkers	120 0.06



**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
Precision Textile, Apparel And Furnishings Workers	240	0.12
Custom Tailors And Sewers	80	0.04
All Other Precision Textile And Related Workers	160	0.08
Precision Printing Workers	355	0.18
Precision Compositors And Others	110	0.06
Job Printers	75	0.04
Precision Lithography And Photoengraving Workers	85	0.04
All Other Precision Printing Workers	85	0.04
Precision Food Workers	55	0.03
All Other Precision Food And Tobacco Workers	55	0.03
Other Precision Workers	945	0.49
Precision Foundry Mold And Core Makers	95	0.05
All Other Precision Workers	850	0.44
(Machine Setters, Set-up Operators, Operators, & Tenders)		
Machine Tool Cutting Setters, Ops And Related - Metal, Plas	1635	0.83
Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	335	0.17
Drilling, Boring Mach Tool Setters, Set-up Ops, Metal, Pl	260	0.13
Milling, Planing Machine Setters, Set-up Ops, Metal, Plastic	345	0.18
Grinding, Lapping, Buffing Machine Tool Setters, Set-up Ops	125	0.06
Machine Tool Cutting Operators	570	0.29
Machine Forming Setters, Operators And Related Workers	795	0.41
Punching Machine Setters And Set-up Operators, Metal, Plastic	105	0.05
Press, Press Brake Machine Setters, Set-up Ops, Metal, Plas	70	0.04
Shear, Slitter Machine Setters, Set-up Ops, Metal And Plastic	75	0.04
Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pla	80	0.04
Sheetmetal Machine Operator	465	0.24
Numerical And Combination Tool Setters, Operators And Related	305	0.16
Numerical Control Machine Tool Operators, Tenders, Met, Plas	225	0.12
Combination Machine Tool Setters, Set-up Ops, Metal, Plastic	80	0.04
Metal Fabricating, Related Machine Setters, Operators	75	0.04
Metal Fabricators, Structural Metal Products	75	0.04
Metal, Plastic Processing Machine Setters, Operators, Related	920	0.47
Plastic Molding, Casting Machine Setters, Set-up Operators	55	0.03
Plastic Molding, Casting Machine Operators And Tenders	490	0.25
Metal Molding, Coremaking, Casting Machine Operators, Tenders	145	0.07
Electrolytic Plating, Coating Machine Setters, Set-up Ops	90	0.05
Electrolytic Plating And Coating Machine Operators, Tenders	140	0.07
All Other Metal, Plastic Machine Setters, Operators, Related	770	0.39
All Other Metal, Plastic Machine Setters, Set-up Operators	300	0.15
All Other Metal And Plastic Machine Operators And Tenders	470	0.24
Printing, Binding And Related Workers	1385	0.72
Printing Press Machine Setters And Set-up Operators	125	0.06
Offset Lithographic Press Setters	100	0.05
Letterpress Setters And Set-up Operators	60	0.03
Specialty Materials Printing Machine Setters, Set-up Operator	120	0.06
Bindery Machine Setters And Set-up Operators	55	0.03
All Other Printing Related Setters And Set-up Operators	50	0.03
Typesetting And Composing Machine Operators And Tenders	115	0.06
Printing Press Machine Operators	480	0.25
Bindery Machine Operators	170	0.09
All Other Printing, Binding, Related Machine Ops And Tenders	110	0.06

**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
Textile, Related Setters, Operators And Other Related Workers	1405	0.73
Textile Machine Setters And Set-up Operators	75	0.04
Textile Machine Ops, Tenders - Winding, Twisting, Knitting	250	0.13
Sewing Machine Operators, Garment	460	0.24
Sewing Machine Operators, Non-garment	130	0.07
Laundry And Drycleaning Machine Operators	415	0.21
Pressing Machine Operators, Textile	75	0.04
Other Machine Setters, Set-up Operators, Operators, Tenders	4885	2.52
Paper Goods Machine Setters And Set-up Operators	420	0.22
Boiler Operators And Tenders, Low Pressure	80	0.04
Dairy Processing Equipment Operators, Including Setters	55	0.03
Chemical Equipment Controllers And Operators	265	0.14
Cutting And Slicing Machine Setters And Set-up Operators	75	0.04
Cutting And Slicing Machine Operators	380	0.19
Coating, Painting, Spraying Machine Setters, Set-up Operators	105	0.05
Coating, Painting And Spraying Machine Operators And Tenders	310	0.16
Cementing And Gluing Machine Operators And Tenders	110	0.06
Cleaning, Washing And Pickling Equipment Operators, Tenders	70	0.04
Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	290	0.15
Extruding, Forming, Pressing, Compacting Mach Setters, Set-up Ops	60	0.03
Extruding, Forming, Pressing, Compacting Machine Ops, Tenders	170	0.09
Packaging And Filling Machine Operators	535	0.27
All Other Machine Operators	1960	1.01
(Assemblers & other Hand Workers)		
Precision Assemblers	665	0.35
Machine Builders And Other Precision Machine	75	0.04
Electromechanical Equipment Assemblers - Prec	135	0.07
Electrical And Electronic Equipment Assembler	325	0.17
All Other Precision Metal Assemblers	130	0.07
Other Hand Workers, Including Assemblers And Fabricators	5115	2.63
Electrical And Electronic Assemblers	680	0.35
Welders And Cutters	220	0.11
Cutters And Trimmers, Hand	155	0.08
Grinding And Polishing Workers, Hand	210	0.11
Assemblers, Fabricators - Exc Mach, Electrl, Electrnc, Prec	2505	1.29
All Other Hand Workers	1345	0.69
Plant And Systems Occupations	515	0.27
Water And Liquid Waste Treatment Plant And System Operators	170	0.09
Chemical Plant And System Operators	55	0.03
All Power Operators	80	0.04
Stationary Engineers	60	0.03
All Other Plant And System Operators	150	0.08
(Transportation & Material Moving Machine & Vehicle Operators)		
Motor Vehicle Operators	5680	2.92
Truck Drivers, Heavy	2650	1.36
Truck Drivers, Light - Including Delivery And Route Drivers	1555	0.80
Bus Drivers	265	0.14
Bus Drivers, School	620	0.32
Driver/sales Workers	590	0.30
All Other Transportation And Related Workers	1165	0.60
Service Station Attendants	680	0.35
Parking Lot Attendants	65	0.03
All Other Transportation Workers	420	0.22
Material Moving Equipment Operators	1875	0.96
Excavating And Loading Machine Operators	115	0.06

**Table A:  
Hampden County  
Employment  
by Occupation**

	Employment	Percent Distribution
Grading, Dozing And Scraper Operators	80	0.04
Industrial Truck And Tractor Operators	570	0.29
Operating Engineers	150	0.08
All Other Material Moving Equipment Operators	960	0.49
(Helpers, Laborers & Material Movers— Hand)		
Construction Trades, Extractive Worker Helpers	885	0.45
Helpers, All Other Construction Trades	820	0.42
Helpers, All Other Construction Trades	65	0.03
Machine Feeders And Offbearers	640	0.33
Machine Feeders And Offbearers	640	0.33
Freight, Stock And Material Handlers, Hand	180	0.09
Refuse Collectors	180	0.09
All Other Helpers, Laborers, Material Movers - Hand	6305	3.24
Hand Packers And Packagers	1725	0.89
Vehicle Washers And Equipment Cleaners	160	0.08
All Other Helpers, Laborers, Movers - Hand	4420	2.27

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
Managerial & Executive Occupations	o Financial Managers	1695	100.00
	All Other Service	305	17.99
	Commercial And Stock Savings Banks	260	15.34
	Local Government, Exc. Education & Hospitals	115	6.78
	All Other Health Services	110	6.49
	All Other Nondurable Goods Manufacturing	90	5.31
	All Other Machinery, Except Electrical	85	5.02
	Life Insurance	85	5.02
	All Other Finance, Insurance And Real Estate	75	4.43
	All Other Durable Goods Manufacturing	65	3.84
	All Other Fabricated Metal Products	60	3.54
	Miscellaneous Converted Paper Products	60	3.54
	Mutual Savings Banks	60	3.54
	All Other Credit Agencies Other Than Banks	60	3.54
	All Other Special Trade Constructors	55	3.24
	Wholesale And Retail Trade	55	3.24
	Miscellaneous Business Services	55	3.25
	All Other General Buiding Contractors	50	2.95
	o Personnel, Training And Labor Relation Managers	385	100.00
	Labor Unions And Similar Labor Organizations	135	35.07
	All Other Service	75	19.48
	Nondurable Goods Manufacturing	70	18.18
	Durable Goods Manufacturing	50	12.99
	o Purchasing Managers	355	100.00
	All Other Wholesale And Retail Trade	95	26.76
	Durable Goods Manufacturing	80	22.54
	Nondurable Goods Manufacturing	60	16.90
	All Other Wholesale Trade-durable Goods	55	15.49
	All Other Miscellaneous Retail Stores	55	15.49
	o Marketing, Advertising And Related Managers	715	100.00
	Durable Goods Manufacturing	125	17.48
	All Other Nondurable Goods Manufacturing	120	16.78
	All Other Service	110	15.38
	Miscellaneous Converted Paper Products	75	10.49
	Department Stores	70	9.79
	All Other Business Services	70	9.79
	Motor Vehicle Dealers (new And Used)	55	7.69
	o Education Administrators	495	100.00
	Elementary And Secondary Schools	310	62.63
	Colleges, Universities, Professionl Schools, Junior Colleges	110	22.22
	All Other Social Services	65	13.13
	o Medical And Health Service Managers	345	100.00
	All Other Health Services	110	31.88
	Hospitals	85	24.64
	Health And Allied Services, Not Elsewhere Classified	70	20.29

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
	o Industrial Production Managers	535	100.00
	All Other Durable Goods Manufacturing	140	26.17
	All Other Machinery, Except Electrical	100	18.69
	All Other Nondurable Goods Manufacturing	70	13.08
	All Other Printing And Publishing	60	11.22
	All Other Miscellaneous Manufacturing Industries	55	10.28
	All Other Paper And Allied Products	55	10.28
	All Other Chemicals And Allied Products	55	10.28
	o Communications, Transportation, Utilities Operations Manager	220	100.00
	Trucking, Local And Long Distance	155	70.45
	o Food Service And Lodging Managers	325	100.00
	Eating And Drinking Places	240	73.85
	Service	85	24.61
	o General Managers And Top Executives	6390	100.00
	Eating And Drinking Places	355	5.56
	Food Stores	315	4.93
	All Other Durable Goods Manufacturing	205	3.21
	All Other Nondurable Goods Manufacturing	205	3.21
	All Other Service	160	2.50
	All Other Wholesale Trade-durable Goods	155	2.43
	All Other Finance, Insurance And Real Estate	145	2.27
	Civic, Social, And Fraternal Associations	145	2.27
	Machinery, Equipment And Supplies	140	2.19
	Miscellaneous Business Services	135	2.11
	All Other Health Services	125	1.96
	Department Stores	120	1.88
	Miscellaneous Shopping Goods Stores	120	1.88
	Insurance Agents, Brokers And Service	120	1.88
	Life Insurance	115	1.80
	All Other Special Trade Constructors	110	1.72
	All Other Fabricated Metal Products	110	1.72
	All Other Personal Services	100	1.57
	All Other Business Services	100	1.56
	All Other Printing And Publishing	95	1.49
	Women's Ready-to-wear Stores	95	1.49
	All Other Apparel And Accessory Stores	95	1.49
	Furniture, Home Furnishings, Equip Stores, Exc Appliances	95	1.49
	Liquor Stores	95	1.49
	Auto And Home Supply Stores	90	1.41
	All Other Wholesale And Retail Trade	90	1.41
	Commercial And Stock Savings Banks	90	1.41
	General Building Contractors - Residential Buildings	85	1.33
	Miscellaneous Machinery Except Electrical	85	1.33
	All Other Building Materials And Garden Supplies	85	1.33
	Motor Vehicle Dealers (new And Used)	85	1.33
	Retail Stores, Not Elsewhere Classified	85	1.33
	All Other Miscellaneous Retail Stores	85	1.33
	All Other Social Services	85	1.33
<b>Professional &amp; Technical Occupations</b>	o Underwriters	175	100.00
	Insurance Agents, Brokers And Service	160	91.43



**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Loan Officers And Counselors	285	100.00
Commercial And Stock Savings Banks	205	71.93
All Other Finance, Insurance And Real Estate	80	28.07
o Accountants And Auditors	1030	100.00
Accounting, Auditing And Bookkeeping Services	290	28.16
All Other Service	160	15.53
Finance, Insurance And Real Estate	130	12.62
All Other Wholesale And Retail Trade	110	10.68
Nondurable Goods Manufacturing	100	9.71
Durable Goods Manufacturing	85	8.25
Local Government, Exc. Education & Hospitals	65	6.31
Eating And Drinking Places	50	4.85
o Wholesale And Retail Buyers, Except Farm Products	170	100.00
Wholesale And Retail Trade	170	100.00
o Purchasing Agents - Exc Wholesale, Retail & Farm Products	180	100.00
Durable Goods Manufacturing	105	58.33
Nondurable Goods Manufacturing	50	27.78
o Personnel, Training And Labor Relations Specialists	335	100.00
Labor Unions And Similar Labor Organizations	105	31.34
All Other Service	95	28.36
o Cost Estimators	255	100.00
All Other Special Trade Constructors	90	35.29
Durable Goods Manufacturing	60	23.53
Nondurable Goods Manufacturing	55	21.57
All Other Construction	50	19.61
o Electrical And Electronic Engineers	310	100.00
All Other Business Services	120	38.71
All Other Electrical And Electronic Equipment	65	20.97
All Other Durable Goods Manufacturing	65	20.97
o Industrial And Safety Engineers	270	100.00
Office Computing Machinery	105	38.89
Nondurable Goods Manufacturing	65	24.07
Electronic Components And Accessories	60	22.22
o Mechanical Engineers	335	100.00
All Other Durable Goods Manufacturing	85	25.37
Nondurable Goods Manufacturing	75	22.39
All Other Fabricated Metal Products	70	20.90
All Other Machinery, Except Electrical	55	16.42
o Electrical, Electronic Engineering Technicians, Technologists	440	100.00
Office Computing Machinery	115	26.14
Machinery, Equipment And Supplies	80	18.18
Electronic Components And Accessories	65	14.77
Personnel Supply Services	55	12.50

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Drafters	270	100.00
Durable Goods Manufacturing	120	44.44
Engineering, Architectural And Surveying Services	75	27.78
o Systems Analysts, Electronic Data Processing	315	100.00
Durable Goods Manufacturing	55	17.46
All Other Printing And Publishing	50	15.87
Miscellaneous Business Services	50	15.87
o Computer Programmers	485	100.00
Miscellaneous Business Services	100	20.62
All Other Service	70	14.44
All Other Nondurable Goods Manufacturing	65	13.40
Durable Goods Manufacturing	60	12.37
Miscellaneous Converted Paper Products	55	11.34
All Other Wholesale Trade-durable Goods	55	11.34
o Social Workers, Medical And Non-medical	825	100.00
Individual And Family Social Services	280	33.94
Social Services, Not Elsewhere Classified	150	18.18
Residential Care	95	11.52
Hospitals	85	10.30
All Other Service	80	9.70
Job Training And Vocational Rehabilitation Services	75	9.09
Outpatient Care Facilities	60	7.27
o Lawyers	420	100.00
Legal Services	325	77.38
Local Government, Exc. Education & Hospitals	55	13.10
o College And University Faculty	1365	100.00
Colleges, Universities, Professional Schools, Junior Colleges	1045	76.56
Elementary And Secondary Schools	285	20.88
o Teachers, Preschool And Kindergarten	505	100.00
Child Day Care Services	300	59.41
Elementary And Secondary Schools	190	37.62
o Teachers, Elementary	2475	100.00
Elementary And Secondary Schools	2455	99.19
o Teachers, Secondary School	2670	100.00
Elementary And Secondary Schools	2670	100.00
o Teachers, Special Education	515	100.00
Elementary And Secondary Schools	515	100.00
o Teachers And Instructors, Vocational Education	245	100.00
Beauty Shops	115	46.94
All Other Educational Services	70	28.57
All Other Social Services	60	24.49

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Librarians, Professional	255	100.00
Local Government, Exc. Education & Hospitals	85	33.33
Elementary And Secodary Schools	65	25.49
Libraries And Information Centers	60	23.53
o Teacher Aides, Paraprofessional	895	100.00
Elementary And Secondary Schools	895	100.00
o Physicians And Surgeons	525	100.00
Office Of Physicians	295	56.19
Hospitals	145	27.62
All Other Health Services	50	9.52
o Dentists	195	100.00
Office Of Dentists	195	100.00
o Registered Nurses	3845	100.00
Hospitals	2420	62.94
Health And Allied Services, Not Elsewhere Classified	430	11.19
Office Of Physicians	275	7.15
Nursing And Personal Care Facilities	200	5.20
Outpatient Care Facilities	115	2.99
Social Services, Not Elsewhere Classified	105	2.73
Personnel Supply Services	85	2.21
All Other Educational Services	60	1.56
All Other Social Services	60	1.56
Local Government, Exc. Education & Hospitals	55	1.43
o Licensed Practical Nurses	1480	100.00
Hospitals	780	52.70
Nursing And Personal Care Facilities	345	23.31
Office Of Physicians	95	6.42
Personnel Supply Services	85	5.74
All Other Health Services	65	4.39
Health And Allied Services, Not Elsewhere Classified	55	3.72
All Other Social Services	55	3.72
o Pharmacists	295	100.00
Drug Stores And Proprietary Stores	230	77.97
Hospitals	65	22.03
o Medical And Clinical Laboratory Technologists And Technician	450	100.00
Hospitals	350	77.78
Medical And Dental Laboratories	70	15.55
o Dental Hygienists	205	100.00
Office Of Dentists	205	100.00
o Radiologic Technicians	275	100.00
Hospitals	165	60.00
Office Of Physicians	75	27.27



**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
Marketing & Sales Occupations	o Sales Supervisors	1860	100.00
	Life Insurance	555	29.84
	All Other Wholesale Trade-durable Goods	125	6.72
	Food Stores	115	6.18
	All Other Miscellaneous Retail Stores	105	5.64
	Department Stores	95	5.11
	All Other Wholesale Trade-nondurable Goods	90	4.84
	All Other Finance, Insurance And Real Estate	90	4.84
	All Other Service	90	4.84
	Durable Goods Manufacturing	80	4.30
	All Other Nondurable Goods Manufacturing	80	4.30
	Miscellaneous Shopping Goods Stores	80	4.30
	All Other Business Services	80	4.30
	Women's Ready-to-wear Stores	75	4.03
	All Other Wholesale And Retail Trade	75	4.03
	Machinery, Equipment And Supplies	65	3.50
	All Other Printing And Publishing	60	3.23
	o Insurance Sales Agents	3095	100.00
	Life Insurance	2920	94.35
	Insurance Agents, Brokers And Service	105	3.39
	All Other Finance, Insurance And Real Estate	70	2.26
	o Sales Reps, Scientific And Related Products And Services	555	100.00
	Machinery, Equipment And Supplies	240	43.24
	Durable Goods Manufacturing	90	16.22
	Electrical Goods	80	14.41
	Nondurable Goods Manufacturing	60	10.81
	All Other Wholesale And Retail Trade	50	9.01
	o Sales Reps, Exc Scientific And Related Products Or Services	1990	100.00
	Machinery, Equipment And Supplies	245	12.31
	Toys And Sporting Goods	150	7.54
	Lumber And Other Construction Materials	140	7.03
	Groceries And Related Supplies	135	6.78
	Blankbooks And Bookbinding	125	6.28
	Miscellaneous Converted Paper Products	105	5.28
	All Other Nondurable Goods Manufacturing	105	5.28
	All Other Durable Goods Manufacturing	100	5.03
	All Other Food And Kindred Products	80	4.02
	Paper And Paper Products	75	3.77
	Hardware, And Plumbing And Heating Equipment And Supplies	70	3.52
	All Other Wholesale Trade-nondurable Goods	70	3.52
	All Other Special Trade Constructors	65	3.27
	All Other Fabricated Metal Products	65	3.27
	All Other Printing And Publishing	65	3.27
	Beer, Wine And Distilled Alcoholic Beverages	65	3.27
	o Retail Trade Sales Representatives	7475	100.00
	Department Stores	1810	24.21
	Women's Ready-to-wear Stores	730	9.77
	Miscellaneous Shopping Goods Stores	730	9.77
	Motor Vehicle Dealers (new And Used)	365	4.88
	Drug Stores And Proprietary Stores	345	4.62

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
Liquor Stores	320	4.28
Retail Stores, Not Elsewhere Classified	300	4.01
Shoe Stores	255	3.41
Furniture, Home Furnishings, Equip Stores, Exc Appliances	250	3.34
Retail Bakeries	235	3.14
Men's And Boys' Clothing And Furnishings Stores	210	2.81
Miscellaneous General Merchandise Stores	200	2.68
Radio, Television And Music Stores	180	2.41
Family Clothing Stores	170	2.27
Lumber And Other Building Materials Dealers	125	1.67
All Other Food Stores	115	1.54
All Other Wholesale Trade-durable Goods	110	1.47
All Other Building Materials And Garden Supplies	105	1.41
o Salespersons, Parts	535	100.00
Motor Vehicles And Automotive Parts And Supplies	185	34.58
Motor Vehicle Dealers (new And Used)	105	19.63
All Other Wholesale Trade-durable Goods	85	15.89
Service	60	11.21
Auto And Home Supply Stores	55	10.28
o Counter And Rental Clerks	565	100.00
Laundry, Cleaning And Garment Services	150	26.55
Miscellaneous Business Services	125	22.12
All Other Service	125	22.12
All Other Building Materials And Garden Supplies	90	15.93
Food Stores	50	8.85
o Stock Clerks, Sales Floor	2745	100.00
Food Stores	1590	57.92
Department Stores	260	9.47
All Other Wholesale And Retail Trade	145	5.28
Liquor Stores	140	5.10
Drug Stores And Proprietary Stores	115	4.19
Miscellaneous Shopping Goods Stores	100	3.64
All Other Building Materials And Garden Supplies	80	2.92
All Other Furniture And Home Furnishing Stores	75	2.73
Retail Stores, Not Elsewhere Classified	65	2.37
All Other Wholesale Trade-nondurable Goods	60	2.19
All Other Apparel And Accessory Stores	60	2.19
Eating And Drinking Places	55	2.00
o Cashiers	5640	100.00
Food Stores	2430	43.08
Eating And Drinking Places	725	12.86
Department Stores	535	9.49
Drug Stores And Proprietary Stores	475	8.42
Liquor Stores	190	3.37
Miscellaneous Shopping Goods Stores	190	3.37
All Other Wholesale And Retail Trade	165	2.93
Local Government, Exc. Education & Hospitals	160	2.84
Gasoline Service Stations	145	2.57
Miscellaneous Amusement And Recreation Services	145	2.57
All Other Service	140	2.48
Miscellaneous General Merchandise Stores	75	1.33
All Other Building Materials And Garden Supplies	70	1.24
All Other Furniture And Home Furnishing Stores	60	1.06
Laundry, Cleaning And Garment Services	55	0.97
Family Clothing Stores	50	0.89

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
Clerical & Administrative Support Occupations	o First Line Supervisors - Clerical And Administrative Clerks	2615	100.00
	Telephone Communication (wire Or Radio)	315	12.05
	Life Insurance	260	9.94
	All Other Service	155	5.93
	Commercial And Stock Savings Banks	145	5.55
	All Other Durable Goods Manufacturing	120	4.59
	Office Of Physicians	105	4.02
	All Other Finance, Insurance And Real Estate	95	3.63
	Miscellaneous Business Services	95	3.63
	All Other Nondurable Goods Manufacturing	90	3.44
	All Other Wholesale And Retail Trade	90	3.44
	All Other Wholesale Trade-durable Goods	85	3.25
	All Other Machinery, Except Electrical	80	3.06
	Newspapers	80	3.06
	Hospitals	80	3.06
	Fire, Marine And Casualty Insurance	75	2.87
	All Other Social Services	75	2.87
	Mutual Savings Banks	70	2.68
	o Tellers	1555	100.00
	Commercial And Stock Savings Banks	985	63.34
	Mutual Savings Banks	445	28.62
	Personal Credit Institutions	85	5.47
	o Adjustment Clerks	715	100.00
	Department Stores	240	33.57
	All Other Nondurable Goods Manufacturing	135	18.88
	Newspapers	130	18.18
	Durable Goods Manufacturing	70	9.79
	Hospitals	50	6.99
	o Insurance Claims Clerks	365	100.00
	Fire, Marine And Casualty Insurance	230	63.01
	Accident And Health Insurance And Medical Service Plans	65	17.81
	o Insurance Policy Processing Clerks	280	100.00
	Insurance Agents, Brokers And Service	130	46.43
	Accident And Health Insurance And Medical Service Plans	90	32.14
	All Other Finance, Insurance And Real Estate	60	21.43
	o Bill And Account Collectors	340	100.00
	Department Stores	170	50.00
	Miscellaneous Business Services	60	17.65
	All Other Service	55	16.18
	o Teacher Aides And Education Assistants	315	100.00
	Child Day Care Services	160	50.79
	Elementary And Secodary Schools	145	46.03
	o Legal Secretaries	425	100.00
	Legal Services	400	94.12

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Medical Secretaries	505	100.00
Office Of Physicians	270	53.47
Office Of Dentists	120	23.76
All Other Health Services	60	11.88
Hospitals	55	10.89
o Secretaries	3975	100.00
All Other Service	250	6.29
Local Government, Exc. Education & Hospitals	225	5.66
Hospitals	215	5.41
Personnel Supply Services	190	4.78
Colleges, Universities, Professionl Schools, Junior Colleges	185	4.65
Elementary And Secodary Schools	165	4.15
All Other Special Trade Constructors	135	3.40
All Other Wholesale And Retail Trade	130	3.27
Life Insurance	130	3.27
Miscellaneous Business Services	125	3.14
All Other Nondurable Goods Manufacturing	120	3.02
Fire, Marrine And Casualty Insurance	115	2.89
All Other Durable Goods Manufacturing	110	2.77
Miscellaneous Converted Paper Products	110	2.77
Machinery, Equipment And Supplies	110	2.77
All Other Machinery, Except Electrical	105	2.64
Social Services, Not Elsewhere Classified	105	2.64
All Other Finance, Insurance And Real Estate	95	2.39
All Other Health Services	90	2.26
Civic, Social, And Fraternal Associations	85	2.14
All Other Printing And Publishing	80	2.01
All Other Wholesale Trade-nondurable Goods	80	2.01
All Other Business Services	80	2.01
o Receptionists And Information Clerks	1160	100.00
All Other Service	195	16.81
Finance, Insurance And Real Estate	150	12.93
Office Of Physicians	130	11.21
Hospitals	105	9.05
Beauty Shops	95	8.19
All Other Social Services	70	6.05
Wholesale And Retail Trade	65	5.60
Personnel Supply Services	65	5.60
Office Of Dentists	65	5.60
Outpatient Care Facilities	65	5.60
Local Government, Exc. Education & Hospitals	55	4.74
Nondurable Goods Manufacturing	50	4.31
o Typists And Word Processors	1225	100.00
Hospitals	225	18.37
Personnel Supply Services	150	12.24
Newspapers	105	8.57
All Other Service	95	7.76
Local Government, Exc. Education & Hospitals	95	7.76
All Other Printing And Publishing	90	7.35
Durable Goods Manufacturing	75	6.12
All Other Finance, Insurance And Real Estate	75	6.12
Accident And Health Insurance And Medical Service Plans	70	5.71
All Other Educational Services	60	4.90
Legal Services	55	4.49
Indiviual And Family Social Services	50	4.08

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Order Clerks - Materials, Merchandise And Service	415	100.00
Nondurable Goods Manufacturing	90	21.69
All Other Wholesale Trade-durable Goods	85	20.48
Durable Goods Manufacturing	70	16.87
All Other Wholesale And Retail Trade	70	16.87
All Other Wholesale Trade-nondurable Goods	50	12.05
o Bookkeeping, Accounting, Auditing Clerks	3370	100.00
All Other Service	185	5.49
All Other Miscellaneous Retail Stores	175	5.19
Local Government, Exc. Education & Hospitals	165	4.90
All Other Special Trade Constructors	160	4.75
All Other Health Services	155	4.60
All Other Finance, Insurance And Real Estate	145	4.30
All Other Durable Goods Manufacturing	140	4.15
All Other Nondurable Goods Manufacturing	140	4.15
All Other Wholesale Trade-durable Goods	140	4.15
Food Stores	130	3.86
All Other Printing And Publishing	120	3.56
All Other Business Services	115	3.41
Eating And Drinking Places	110	3.26
All Other Machinery, Except Electrical	95	2.82
o Billing, Cost And Rate Clerks	680	100.00
All Other Wholesale And Retail Trade	140	20.59
All Other Service	120	17.65
Office Of Physicians	105	15.44
Hospitals	90	13.23
Nondurable Goods Manufacturing	80	11.76
All Other Automotive Dealers & Service Stations	55	8.09
o General Office Clerk	4705	100.00
Life Insurance	590	12.54
Local Government, Exc. Education & Hospitals	350	7.44
Elementary And Secondary Schools	295	6.27
Hospitals	255	5.42
All Other Service	200	4.25
All Other Wholesale And Retail Trade	185	3.93
Telephone Communication (wire Or Radio)	175	3.72
Trucking, Local And Long Distance	130	2.76
All Other Miscellaneous Retail Stores	130	2.76
Commercial And Stock Savings Banks	125	2.66
All Other Wholesale Trade-durable Goods	120	2.55
Health And Allied Services, Not Elsewhere Classified	115	2.44
Accident And Health Insurance And Medical Service Plans	110	2.34
All Other Business Services	110	2.34
All Other Finance, Insurance And Real Estate	105	2.23
Newspapers	100	2.13
Food Stores	100	2.12
Motor Vehicle Dealers		
o Computer Operators, Except Peripheral Equipment	395	100.00
Local Government, Exc. Education & Hospitals	105	26.58
Wholesale And Retail Trade	65	16.45
Durable Goods Manufacturing	60	15.19
Nondurable Goods Manufacturing	50	12.66



**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Switchboard Operator	380	100.00
Hospitals	80	21.05
All Other Service	75	19.74
Department Stores	60	15.79
Nondurable Goods Manufacturing	50	13.16
o Production, Planning, Expediting Clerks	475	100.00
Nondurable Goods Manufacturing	145	30.52
All Other Durable Goods Manufacturing	90	18.95
All Other Fabricated Metal Products	70	14.74
All Other Machinery, Except Electrical	70	14.74
Telephone Communication (wire Or Radio)	70	14.73
o Stock Clerks - Stockroom, Warehouse And Storage Yard	1065	100.00
All Other Wholesale Trade-durable Goods	110	10.33
All Other Wholesale And Retail Trade	110	10.33
All Other Nondurable Goods Manufacturing	90	8.45
Miscellaneous Converted Paper Products	85	7.98
All Other Machinery, Except Electrical	80	7.51
All Other Wholesale Trade-nondurable Goods	80	7.51
Department Stores	80	7.51
All Other Service	75	7.04
All Other Durable Goods Manufacturing	70	6.57
Personnel Supply Services	70	6.57
Lumber And Other Building Materials Dealers	65	6.10
Blankbooks And Bookbinding	55	5.17
All Other Fabricated Metal Products	50	4.70
o Order Fillers, Wholesale And Retail Sales	265	100.00
All Other Wholesale Trade-nondurable Goods	110	41.51
All Other Wholesale Trade-durable Goods	85	32.07
Drugs, Drug Proprietaries And Druggists' Sundries	50	18.87
o Traffic, Shipping And Receiving Clerks	1190	100.00
All Other Wholesale Trade-nondurable Goods	180	15.13
All Other Nondurable Goods Manufacturing	120	10.09
Miscellaneous Converted Paper Products	100	8.41
All Other Machinery, Except Electrical	95	7.98
Department Stores	95	7.98
All Other Wholesale Trade-durable Goods	90	7.56
All Other Durable Goods Manufacturing	85	7.14
All Other Fabricated Metal Products	80	6.73
Machinery, Equipment And Supplies	65	5.46
<b>Service Occupations</b>		
o Fire Fighters	960	100.00
Local Government, Exc. Education & Hospitals	960	100.00
o Police Detectives And Investigators	945	100.00
Local Government, Exc. Education & Hospitals	945	100.00

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Guards And Watch Guards	1240	100.00
Miscellaneous Business Services	610	49.19
Miscellaneous Amusement And Recreation Services	150	12.10
Colleges, Universities, Professionl Schools, Junior Colleges	85	6.85
All Other Real Estate	70	5.65
Department Stores	60	4.84
All Other Health Services	60	4.84
All Other Service	60	4.84
All Other Wholesale And Retail Trade	55	4.44
Durable Goods Manufacturing	50	4.03
o Bartenders	1060	100.00
Eating And Drinking Places	605	57.07
Civic, Social, And Fraternal Associations	325	30.66
Hotels, Motels And Tourist Courts	65	6.13
Miscellaneous Amusement And Recreation Services	50	4.72
o Waiters And Waitresses	4495	100.00
Eating And Drinking Places	3745	83.31
Hospitals	200	4.45
Hotels, Motels And Tourist Courts	175	3.89
Miscellaneous Amusement And Recreation Services	130	2.89
Civic, Social, And Fraternal Associations	115	2.56
Nursing And Personal Care Facilities	60	1.34
o Dining Room, Counter And Cafe Attendants	680	100.00
Eating And Drinking Places	460	67.65
Service	100	14.71
Retail Bakeries	90	13.23
o Bakers, Bread And Pastry	235	100.00
Retail Bakeries	140	59.57
All Other Wholesale And Retail Trade	90	38.30
o Butchers And Meat Cutters	485	100.00
Food Stores	365	75.26
Groceries And Related Supplies	85	17.52
o Cooks, Restaurant	775	100.00
Eating And Drinking Places	635	81.93
Hotels, Motels And Tourist Courts	70	9.03
All Other Service	65	8.39
o Cooks, Institution Or Cafe	455	100.00
Elementary And Secodary Schools	175	38.46
Nursing And Personal Care Facilities	100	21.98
Hospitals	80	17.58
All Other Social Services	70	15.38
o Cooks, Speciality Fast Food And Fast Food	925	100.00
Eating And Drinking Places	875	94.60

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Food Preparation Workers	1795	100.00
Eating And Drinking Places	645	35.93
Elementary And Secondary Schools	480	26.74
Hospitals	230	12.81
Nursing And Personal Care Facilities	195	10.87
Miscellaneous Amusement And Recreation Services	90	5.02
Hotels, Motels And Tourist Courts	70	3.90
All Other Service	60	3.34
o Nurse Aides, Orderlies And Attendants	3265	100.00
Hospitals	1355	41.50
Nursing And Personal Care Facilities	1270	38.90
Personnel Supply Services	280	8.57
Residential Care	110	3.37
Social Services, Not Elsewhere Classified	105	3.22
Office Of Other Health Practitioners	80	2.45
o Home Health Aides	780	100.00
Health And Allied Services, Not Elsewhere Classified	570	73.08
Personnel Supply Services	75	9.62
Nursing And Personal Care Facilities	70	8.97
All Other Social Services	60	7.69
o Janitors And Cleaners, Including Housekeepers And Maids	1460	100.00
Hospitals	545	37.33
Hotels, Motels And Tourist Courts	310	21.23
Services To Dwellings And Other Buildings	240	16.44
Nursing And Personal Care Facilities	200	13.70
All Other Service	85	5.82
Residential Care	60	4.11
o Janitors And Cleaners	2945	100.00
Elementary And Secodary Schools	590	20.03
Services To Dwellings And Other Buildings	565	19.18
All Other Service	220	7.47
Food Stores	195	6.62
Colleges, Universities, Professionl Schools, Junior Colleges	195	6.62
Hospitals	155	5.26
All Other Wholesale And Retail Trade	145	4.92
Real Estate Agents And Managers	125	4.24
All Other Nondurable Goods Manufacturing	100	3.40
Department Stores	90	3.06
All Other Finance, Insurance And Real Estate	90	3.06
All Other Durable Goods Manufacturing	85	2.88
Nursing And Personal Care Facilities	85	2.89
All Other Fabricated Metal Products	70	2.38
All Other Printing And Publishing	60	2.04
Eating And Drinking Places	60	2.04
Civic, Social, And Fraternal Associations	55	1.87
All Other Food And Kindred Products	50	1.70
o Cosmetologists And Related	440	100.00
Beauty Shops	390	88.64

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
Prod., Construction & Machining Occupations	o Social Welfare Service Aides	670	100.00
	Health And Allied Services, Not Elsewhere Classified	300	44.77
	Individual And Family Social Services	165	24.63
	Social Services, Not Elsewhere Classified	160	23.88
	o Gardeners And Groundskeepers, Except Farm	405	100.00
	Miscellaneous Amusement And Recreation Services	115	28.40
	Local Government, Exc. Education & Hospitals	100	24.69
	Real Estate Agents And Managers	70	17.28
	All Other Service	55	13.58
	o First Line Supervisors - Mechanics And Repairers	810	100.00
	Motor Vehicle Dealers (new And Used)	125	15.43
	Nondurable Goods Manufacturing	105	12.96
	All Other Wholesale And Retail Trade	105	12.96
	Automotive Repair Shops	85	10.49
	Durable Goods Manufacturing	75	9.26
	Auto And Home Supply Stores	70	8.64
	All Other Wholesale Trade-durable Goods	65	8.03
	All Other Communication	55	6.79
	o First Line Supervisors - Constuction And Related	365	100.00
	All Other Special Trade Constructors	135	36.98
	General Building Contractors - Residential Buildings	70	19.18
	All Other Heavy Construction Contractors	70	19.18
	General Building Contractors - Nonresidential Buildings	55	15.07
	o First Line Supervisors - Production And Related	1360	100.00
	All Other Fabricated Metal Products	220	16.18
	All Other Durable Goods Manufacturing	200	14.71
	All Other Machinery, Except Electrical	185	13.60
	All Other Nondurable Goods Manufacturing	115	8.46
	All Other Electrical And Electronic Equipment	80	5.88
	Miscellaneous Converted Paper Products	80	5.88
	Paper Mills, Except Building Paper	75	5.51
	Miscellaneous Plastics Products	75	5.51
	Toys And Sporting Goods	70	5.15
	All Other Chemicals And Allied Products	70	5.15
	Blankbooks And Bookbinding	65	4.78
	All Other Printing And Publishing	65	4.78
	Paperboard Containers And Boxes	60	4.41
	o Precision And Production Inspectors	1190	100.00
	Toys And Sporting Goods	180	15.13
	All Other Machinery, Except Electrical	160	13.45
	All Other Nondurable Goods Manufacturing	130	10.93
	Ordnance And Accessories, Except Vehicles & Guided Missiles	125	10.51
	Electronic Components And Accessories	95	7.98
	All Other Rubber And Miscellaneous Plastics Products	95	7.98
	All Other Fabricated Metal Products	85	7.14
	All Other Durable Goods Manufacturing	75	6.30
	All Other Paper And Allied Products	70	5.88
	All Other Electrical And Electronic Equipment	55	4.62
	Plastics Materials And Synthetics	55	4.62
	All Other Food And Kindred Products	50	4.20



**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Machinery Maintenance Mechanics	410	100.00
Nondurable Goods Manufacturing	110	26.83
All Other Fabricated Metal Products	95	23.17
All Other Miscellaneous Manufacturing Industries	55	13.41
All Other Machinery, Except Electrical	50	12.19
All Other Durable Goods Manufacturing	50	12.20
Service	40	9.76
o Maintenance Repairers, General Utility	1975	100.00
Local Government, Exc. Education & Hospitals	485	24.56
All Other Service	185	9.37
Real Estate Agents And Managers	145	7.34
All Other Health Services	145	7.34
Miscellaneous Amusement And Recreation Services	135	6.83
All Other Durable Goods Manufacturing	125	6.33
All Other Nondurable Goods Manufacturing	100	5.06
Construction	80	4.05
All Other Wholesale And Retail Trade	80	4.05
Services To Dwellings And Other Buildings	70	3.54
All Other Paper And Allied Products	60	3.04
Local Government, Exc. Education & Hospitals	60	3.04
o Automotive Mechanics	1145	100.00
Motor Vehicle Dealers (new And Used)	380	33.19
Automotive Repair Shops	310	27.08
Gasoline Service Stations	160	13.97
Department Stores	105	9.17
All Other Wholesale And Retail Trade	80	6.99
Auto And Home Supply Stores	75	6.55
o Automotive Body And Related Repairers	580	100.00
Automotive Repair Shops	400	68.97
Motor Vehicle Dealers (new And Used)	135	23.28
o Bus And Truck Mechanics And Diesel Mechanics	260	100.00
Trucking, Local And Long Distance	70	26.92
All Other Wholesale Trade-durable Goods	70	26.92
All Other Transportation And Public Utilities	55	21.16
o Heating, Air Conditioning, Refrigeration Mechs, Installers	365	100.00
Plumbing, Heating (except Electric), Air Conditioning	185	50.68
Fuel And Ice Dealers	100	27.40
o Carpenters	1055	100.00
General Building Contractors - Residential Buildings	455	43.13
General Building Contractors - Nonresidential Buildings	240	22.75
Carpentering And Flooring	55	5.21
All Other Special Trade Constructors	55	5.21
Millwork, Plywood And Structural Members	50	4.74
All Other Durable Goods Manufacturing	50	4.74
Service	50	4.74

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Drywall Installers And Tapers	330	100.00
Masonry, Stonework, Tile Setting And Plastering	315	95.45
o Electricians	620	100.00
Electrical Work	410	66.13
Durable Goods Manufacturing	80	12.90
Nondurable Goods Manufacturing	60	9.68
o Painters, Paperhangers, Construction And Maintenance	420	100.00
Painting, Paper Hanging, And Decorating	215	51.19
Local Government, Exc. Education & Hospitals	90	21.43
Real Estate Agents And Managers	55	13.10
o Plumbers, Pipefitters And Steamfitters	680	100.00
Plumbing, Heating (except Electric), Air Conditioning	350	51.47
Miscellaneous Repair Shops And Related Services	185	27.21
All Other Special Trade Constructors	65	9.56
o Tool And Die Makers	355	100.00
Metalworking Machinery	115	32.40
All Other Fabricated Metal Products	90	25.35
All Other Machinery, Except Electrical	65	18.31
All Other Durable Goods Manufacturing	55	15.49
o Machinists	1255	100.00
Miscellaneous Machinery Except Electrical	315	25.10
Metalworking Machinery	240	19.12
All Other Durable Goods Manufacturing	160	12.75
Special Industry Machinery	135	10.76
Aircraft And Parts	80	6.37
All Other Fabricated Metal Products	75	5.98
Nondurable Goods Manufacturing	75	5.98
General Industrial Machinery	60	4.78
Automotive Repair Shops	55	4.38
o Precision Tool Grinders, Filers, Sharpeners	225	100.00
All Other Durable Goods Manufacturing	90	40.00
Metalworking Machinery	70	31.11
Ordnance And Accessories, Except Vehicles & Guided Missiles	55	24.45
o Sheet Metal Workers	430	100.00
Plumbing, Heating (except Electric), Air Conditioning	95	22.09
Construction And Related Machinery	85	19.77
All Other Machinery, Except Electrical	85	19.77
Roofing And Sheet Metal Work	60	13.95
All Other Fabricated Metal Products	55	12.79
o Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, P	335	100.00
All Other Machinery, Except Electrical	120	35.82
Ordnance And Accessories, Except Vehicles & Guided Missiles	110	32.84
All Other Durable Goods Manufacturing	105	31.34

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

	Employment	Percent Distribution
o Drilling, Boring Mach Tool Setters, Set-up Ops, Metal, Pl	260	100.00
Ordinance And Accessories, Except Vehicles & Guided Missiles	170	65.39
All Other Machinery, Except Electrical	70	26.92
o Milling, Planing Machine Setters, Set-up Ops, Metal, Plastic	345	100.00
Ordinance And Accessories, Except Vehicles & Guided Missiles	220	63.77
All Other Machinery, Except Electrical	75	21.74
All Other Durable Goods Manufacturing	50	14.49
o Machine Tool Cutting Operators	570	100.00
Ordinance And Accessories, Except Vehicles & Guided Missiles	230	40.35
All Other Machinery, Except Electrical	80	14.04
All Other Durable Goods Manufacturing	80	14.03
Cutlery, Hand Tools And Hardware	70	12.28
Metalworking Machinery	60	10.53
All Other Fabricated Metal Products	50	8.77
o Sheetmetal Machine Operator	465	100.00
All Other Fabricated Metal Products	135	29.03
All Other Durable Goods Manufacturing	100	21.51
All Other Machinery, Except Electrical	85	18.28
Cutlery, Hand Tools And Hardware	65	13.98
Aircraft And Parts	60	12.90
o Numerical Control Machine Tool Operators, Tenders, Met, Plas	225	100.00
Miscellaneous Machinery Except Electrical	105	46.67
All Other Fabricated Metal Products	60	26.67
All Other Durable Goods Manufacturing	50	22.22
o Plastic Molding, Casting Machine Operators And Tenders	490	100.00
Miscellaneous Plastics Products	335	68.37
Toys And Sporting Goods	155	31.63
o Printing Press Machine Operators	480	100.00
Miscellaneous Converted Paper Products	175	36.46
All Other Printing And Publishing	140	29.17
Paperboard Containers And Boxes	110	22.92
o Textile Machine Ops, Tenders - Winding, Twisting, Knitting	250	100.00
All Other Textile Mill Prouducts	160	64.00
Miscellaneous Textile Goods	70	28.00
o Sewing Machine Operators, Garment	460	100.00
Women's And Children's Undergarments	285	61.96
Women's And Misses' Outerwear	70	15.22
All Other Apparel And Other Textile Prouducts	65	14.13
o Laundry And Drycleaning Machine Operators	415	100.00
Laundry, Cleaning And Garment Services	220	53.01
Hospitals	95	22.89
Nursing And Personal Care Facilities	90	21.69

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
o	Paper Goods Machine Setters And Set-up Operators	420	100.00
	Miscellaneous Converted Paper Products	270	64.28
	Paper Mills, Except Building Paper	80	19.05
	All Other Paper And Allied Products	70	16.67
o	Chemical Equipment Controllers And Operators	265	100.00
	Plastics Materials And Synthetics	250	94.34
o	Cutting And Slicing Machine Operators	380	100.00
	Miscellaneous Converted Paper Products	210	55.26
	All Other Nondurable Goods Manufacturing	80	21.05
	Paper Mills, Except Building Paper	65	17.11
o	Coating, Painting And Spraying Machine Operators And Tenders	310	100.00
	Miscellaneous Converted Paper Products	135	43.55
	All Other Durable Goods Manufacturing	70	22.58
	All Other Fabricated Metal Products	65	20.97
o	Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	290	100.00
	Durable Goods Manufacturing	85	29.31
	All Other Chemicals And Allied Products	85	29.31
	Paper Mills, Except Building Paper	65	22.41
	All Other Nondurable Goods Manufacturing	55	18.97
o	Packaging And Filling Machine Operators	535	100.00
	Miscellaneous Converted Paper Products	130	24.30
	All Other Nondurable Goods Manufacturing	125	23.36
	Meat Products	60	11.22
	All Other Paper And Allied Products	60	11.21
	Toys And Sporting Goods	55	10.28
	Dairy Products	55	10.28
o	Electrical And Electronic Equipment Assembler	325	100.00
	Office Computing Machinery	160	49.23
	Electronic Components And Accessories	130	40.00
o	Electrical And Electronic Assemblers	680	100.00
	Electronic Components And Accessories	260	38.23
	Household Appliances	245	36.03
	Electrical Distributing Equipment	90	13.24
	All Other Electrical And Electronic Equipment	65	9.56
o	Welders And Cutters	220	100.00
	All Other Machinery, Except Electrical	60	27.27
	Miscellaneous Special Trade Contractors	50	22.73
	All Other Durable Goods Manufacturing	50	22.73
o	Grinding And Polishing Workers, Hand	210	100.00
	All Other Fabricated Metal Products	105	50.00
	All Other Durable Goods Manufacturing	105	50.00



**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
o	Assemblers, Fabricators - Exc Mach, Electrcel, Electrnc, Prec	2505	100.00
	Toys And Sporting Goods	335	13.37
	Ordnance And Accessories, Except Vehicles & Guided Missiles	290	11.58
	Miscellaneous Plastics Products	285	11.38
	Blankbooks And Bookbinding	225	8.98
	Motorcycles, Bicycles And Parts	210	8.38
	All Other Durable Goods Manufacturing	175	6.99
	Cutlery, Hand Tools And Hardware	130	5.19
	General Industrial Machinery	130	5.19
	Miscellaneous Manufacturing	100	3.99
	All Other Fabricated Metal Products	95	3.79
	Electrical Distributing Equipment	95	3.79
	All Other Furniture And Fixtures	75	2.99
	All Other Wholesale And Retail Trade	65	2.59
	All Other Paper And Allied Products	60	2.39
	Wooden Containers	55	2.20
	Metal Stampings	55	2.20
o	Truck Drivers, Heavy	2650	100.00
	Trucking, Local And Long Distance	1240	46.79
	All Other Wholesale Trade-durable Goods	170	6.42
	All Other Wholesale Trade-nondurable Goods	150	5.66
	Durable Goods Manufacturing	140	5.28
	Local And Suburban Passenger Transportation	135	5.10
	Groceries And Related Supplies	100	3.77
	Fuel And Ice Dealers	100	3.77
	Dairy Products	80	3.02
	Sanitary Services	80	3.02
	All Other Wholesale And Retail Trade	75	2.83
	All Other Heavy Construction Contractors	70	2.64
	All Other Nondurable Goods Manufacturing	65	2.45
	All Other Special Trade Constructors	60	2.26
	Lumber And Other Building Materials Dealers	55	2.08
	Paperboard Containers And Boxes	50	1.89
o	Truck Drivers, Light - Including Delivery And Route Drivers	1555	100.00
	All Other Wholesale And Retail Trade	200	12.86
	Trucking, Local And Long Distance	150	9.65
	Personnel Supply Services	125	8.04
	Groceries And Related Supplies	115	7.39
	All Other Service	110	7.07
	Nondurable Goods Manufacturing	95	6.11
	Motor Vehicles And Automotive Parts And Supplies	95	6.11
	All Other Wholesale Trade-durable Goods	95	6.11
	Furniture, Home Furnishings, Equip Stores, Exc Appliances	80	5.15
	Miscellaneous Nondurable Goods	75	4.82
	All Other Miscellaneous Retail Stores	75	4.82
	Construction	70	4.50
	Furniture And Home Furnishings	60	3.86
	Automotive Repair Shops	60	3.86
	Durable Goods Manufacturing	55	3.54
	Beer, Wine And Distilled Alcoholic Beverages	50	3.22
o	Bus Drivers	265	100.00
	Intercity And Rural Highway Passenger Transportation	105	39.62
	Local And Suburban Passenger Transportation	95	35.85

**Table B:  
Hampden County  
Employment in  
Selected Occupations  
by Industry**

		Employment	Percent Distribution
o	Bus Drivers, School	620	100.00
	School Buses	570	91.93
	Service	50	8.07
o	Driver/Sales Workers	590	100.00
	Eating And Drinking Places	160	27.12
	Newspapers	130	22.03
	Dairy Products	75	12.71
	All Other Food And Kindred Products	70	11.86
	All Other Miscellaneous Retail Stores	60	10.17
	Laudry, Cleaning And Garment Services	50	8.47
o	Service Station Attendants	680	100.00
	Gasoline Service Stations	610	89.71
o	Industrial Truck And Tractor Operators	570	100.00
	Durable Goods Manufacturing	150	26.32
	Trucking, Local And Long Distance	150	26.32
	All Other Nondurable Goods Manufacturing	110	19.30
	Wholesale And Retail Trade	80	14.03
	Miscellaneous Converted Paper Products	50	8.77
o	Helpers, All Other Construction Trades	820	100.00
	Electrical Work	185	22.56
	General Building Contractors - Nonresidential Buildings	140	17.07
	General Building Contractors - Residential Buildings	130	15.85
	Masonry, Stonework, Tile Setting And Plastering	90	10.98
	Roofing And Sheet Metal Work	90	10.97
	Miscellaneous Special Trade Contractors	75	9.15
	All Other Special Trade Constructors	55	6.71
	All Other Construction	55	6.71

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
Construction Industries	o General Building Contractors - Residential Buildings	1380	100.00
	Carpenters	455	32.97
	Helpers, All Other Construction Trades	130	9.42
	All Other Construction And Extractive Occupations	110	7.97
	Transportation, Material Moving Machine And Vehicle Operators	95	6.88
	All Other Clerical And Administrative Support Workers	90	6.52
	General Managers And Top Executives	85	6.16
	Construction Managers	80	5.80
	All Other Helpers, Laborers, Movers - Hand	75	5.44
	First Line Supervisors - Constuction And Related	70	5.07
	Precision Production Occupations	60	4.35
	o Plumbing, Heating (except Electric), Air Conditioning	1100	100.00
	Plumbers, Pipefitters And Steamfitters	350	31.82
	Heating, Air Conditioning, Refrigeration Mechs, Installers	190	17.27
	Clerical And Administrative Support Occupations	100	9.08
	Sheet Metal Workers	95	8.64
	Sheet Metal Duct Installers	85	7.73
	General Managers And Top Executives	60	5.46
	Sales And Related Occupations	55	5.00
	First Line Supervisors, Manager/supers - Prod, Constr, Maint	55	5.00
	o Electrical Work	1030	100.00
	Electricians	415	40.29
	Helpers, All Other Construction Trades	185	17.96
	Clerical And Administrative Support Occupations	120	11.64
	Precision Production Occupations	110	10.68
	Professional, Paraprofessional And Technical Occupations	105	10.20
	Managerial And Administrative Occupations	75	7.29
	o All Other Special Trade Constructors	3025	100.00
	All Other Construction And Extractive Occupations	380	12.56
	Drywall Installers And Tapers	315	10.41
	Helpers, All Other Construction Trades	290	9.59
	Painters, Paperhangers, Construction And Maintenance	225	7.44
	Concrete And Terrazzo Finishers	150	4.96
	Roofers	145	4.79
	General Managers And Top Executives	130	4.30
	All Other Clerical And Administrative Support Workers	105	3.47
	Carpenters	105	3.47
	Reinforcing Metal Workers	90	2.98
	Bookkeeping, Accounting, Auditing Clerks	85	2.81
	Plasterers And Stucco Masons	80	2.64
	All Other Helpers, Laborers, Movers - Hand	80	2.64
	Sheet Metal Workers	75	2.48
	Mechanics, Installers And Repairers	70	2.32
	Excavating And Loading Machine Operators	70	2.31
	Construction Managers	65	2.15
	Secretaries, Stenographers And Typists	65	2.15
	First Line Supervisors - Constuction And Related	60	1.98
	All Other Material Moving Equipment Operators	60	1.98
	All Other Managers And Administrators	55	1.82
	Cost Estimators	55	1.82
	Glaziers	55	1.82
	Truck Drivers, Heavy	55	1.82
	Welders And Cutters	50	1.65

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
Manufacturing Industries	o All Other Construction	1780	100.00
	Carpenters	260	14.61
	All Other Helpers, Laborers, Movers - Hand	230	12.92
	Helpers, All Other Construction Trades	195	10.96
	All Other Construction And Extractive Occupations	185	10.39
	Clerical And Administrative Support Occupations	150	8.44
	First Line Supervisors - Constuction And Related	130	7.30
	All Other Material Moving Equipment Operators	95	5.34
	Operating Engineers	90	5.06
	Truck Drivers, Heavy	80	4.50
	Mechanics, Installers And Repairers	75	4.21
	Construction Managers	70	3.93
	General Managers And Top Executives	70	3.93
	Professional, Paraprofessional And Technical Occupations	50	2.80
	o Primary Metal Industries	1190	100.00
	All Other Metal And Plastic Machine Operators And Tenders	165	13.88
	Clerical And Administrative Support Occupations	115	9.66
	Precision Metal Workers	105	8.82
	All Other Metal, Plastic Machine Setters, Set-up Operators	100	8.40
	All Other Precision Workers	90	7.57
	All Other Machine Operators	80	6.73
	Helpers, Laborers And Related	80	6.72
	Managerial And Administrative Occupations	75	6.30
	Extruding, Drawing Machine Setters, Set-up Ops, Metal And Pla	65	5.46
	Hand Working Occupations, Including Assemblers, Fabricators	65	5.46
	Precision Foundry Mold And Core Makers	60	5.04
	Mechanics, Installers And Repairers	50	4.20
	o Cutlery, Hand Tools And Hardware	1465	100.00
	Helpers, Laborers And Related	350	23.89
	Clerical And Administrative Support Occupations	135	9.19
	Assemblers, Fabricators - Exc Mach, Electrcrl, Electrnc, Prec	130	8.87
	All Other Metal, Plastic Machine Setters, Set-up Operators	125	8.54
	All Other Precision Workers	120	8.18
	Professional, Paraprofessional And Technical Occupations	80	5.47
	Machine Tool Cutting Operators	70	4.78
	o Ordnance And Accessories, Except Vehicles & Guided Missiles	2295	100.00
	Assemblers, Fabricators - Exc Mach, Electrcrl, Electrnc, Prec	290	12.64
	Machine Tool Cutting Operators	230	10.02
	Milling, Planing Machine Setters, Set-up Ops, Metal, Plastic	220	9.59
	All Other Machine Operators	205	8.92
	Drilling, Boring Mach Tool Setters, Set-up Ops, Metal, Pl	170	7.41
	All Other Clerical And Administrative Support Workers	145	6.32
	All Other Metal, Plastic Machine Setters, Set-up Operators	135	5.87
	Precision And Production Inspectors	125	5.45
	Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	110	4.79
	Material Recording, Scheduling, Dispatching, Distributing	105	4.57
	Managerial And Administrative Occupations	95	4.14
	First Line Supervisors, Manager/supers - Prod, Constr, Maint	70	3.05
	Professional, Paraprofessional And Technical Occupations	65	2.84
	Mechanics, Installers And Repairers	65	2.84
	Precision Tool Grinders, Filers, Sharpeners	55	2.40
	All Other Hand Workers	50	2.18
	Helpers, Laborers And Related	50	2.18



**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o All Other Fabricated Metal Products	2710	100.00
All Other Helpers, Laborers, Movers - Hand	260	9.59
All Other Clerical And Administrative Support Workers	190	7.02
All Other Metal, Plastic Machine Setters, Set-up Operators	190	7.00
All Other Metal And Plastic Machine Operators And Tenders	150	5.53
Assemblers, Fabricators - Exc Mach, Electrcel, Electrnc, Prec	150	5.54
Sheetmetal Machine Operator	135	4.98
Professional, Paraprofessional And Technical Occupations	130	4.80
First Line Supervisors - Production And Related	130	4.80
All Other Managers And Administrators	110	4.05
All Other Precision Workers	100	3.68
Electrolytic Plating, Coating Machine Setters, Set-up Ops	90	3.32
Machine Feeders And Offbearers	90	3.32
Electrolytic Plating And Coating Machine Operators, Tenders	80	2.95
Transportation, Material Moving Machine And Vehicle Operators	80	2.95
General Managers And Top Executives	75	2.77
Machinists	75	2.77
Sales And Related Occupations	70	2.59
Precision And Production Inspectors	70	2.58
Grinding And Polishing Workers, Hand	70	2.58
Material Recording, Scheduling, Dispatching, Distributing	65	2.40
Coating, Painting And Spraying Machine Operators And Tenders	65	2.40
Mechanics, Installers And Repairers	60	2.22
All Other Machine Operators	60	2.22
Sheet Metal Workers	55	2.03
All Other Precision Metal Workers	55	2.03
Machine Tool Cutting Operators	50	1.85
o Metalworking Machinery	1440	100.00
Machinists	240	16.67
Hand Packers And Packagers	195	13.54
Clerical And Administrative Support Occupations	140	9.73
Tool And Die Makers	115	7.99
All Other Precision Workers	115	7.99
All Other Metal, Plastic Machine Setters, Set-up Operators	100	6.95
All Other Managers And Administrators	75	5.21
Professional, Paraprofessional And Technical Occupations	75	5.20
All Other Metal And Plastic Machine Operators And Tenders	75	5.21
General Managers And Top Executives	70	4.86
Precision Tool Grinders, Filers, Sharpeners	70	4.86
Machine Tool Cutting Operators	65	4.51
o Office Computing Machinery	1385	100.00
Electrical And Electronic Equipment Assembler	160	11.55
All Other Engineering Technicians And Technologists	150	10.83
Management Support Occupations	135	9.74
Electrical, Electronic Engineerng Technicians, Technologists	115	8.30
Managerial And Administrative Occupations	110	7.95
All Other Clerical And Administrative Support Workers	110	7.94
Industrial And Safety Engineers	105	7.58
Material Recording, Scheduling, Dispatching, Distributing	105	7.58
All Other Precision Workers	105	7.59
Precision Metal Workers	60	4.33
All Other Engineers	55	3.97

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
o	Miscellaneous Machinery Except Electrical	1245	100.00
	Machinists	315	25.30
	All Other Metal, Plastic Machine Setters, Set-up Operators	155	12.45
	Clerical And Administrative Support Occupations	145	11.65
	All Other Precision Workers	115	9.24
	Numerical Control Machine Tool Operators, Tenders, Met, Plas	105	8.43
	General Managers And Top Executives	85	6.83
	All Other Metal And Plastic Machine Operators And Tenders	70	5.62
	All Other Managers And Administrators	65	5.22
	Maintenance Repairers, General Utility	55	4.42
o	All Other Machinery, Except Electrical	1845	100.00
	Machinists	200	10.84
	All Other Clerical And Administrative Support Workers	180	9.75
	Assemblers, Fabricators - Exc Mach, Electrcd, Electrmc, Prec	160	8.67
	Professional, Paraprofessional And Technical Occupations	140	7.59
	Sheet Metal Workers	95	5.15
	All Other Hand Workers	85	4.62
	All Other Managers And Administrators	80	4.34
	Material Recording, Scheduling, Dispatching, Distributing	80	4.34
	Mechanics, Installers And Repairers	75	4.07
	Sales And Related Occupations	70	3.80
	First Line Supervisors - Production And Related	70	3.79
	Machine Tool Cutting Operators	65	3.52
	All Other Metal And Plastic Machine Operators And Tenders	65	3.52
	All Other Precision Metal Workers	60	3.25
	All Other Metal, Plastic Machine Setters, Set-up Operators	60	3.26
	Blue Collar Worker Supervisors	55	2.98
	Precision And Production Inspectors	55	2.98
	Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	55	2.98
	Machine Builders And Other Precision Machine	55	2.98
	General Managers And Top Executives	50	2.71
o	Electronic Components And Accessories	1310	100.00
	Electrical And Electronic Assemblers	260	19.85
	Electrical And Electronic Equipment Assembler	130	9.92
	Clerical And Administrative Support Occupations	110	8.40
	Managerial And Administrative Occupations	100	7.63
	Precision And Production Inspectors	95	7.25
	Management Support Occupations	75	5.72
	Precision Production Occupations	75	5.71
	Electrical, Electronic Engineerng Technicians, Technologists	70	5.34
	All Other Engineers	65	4.96
	All Other Metal And Plastic Machine Operators And Tenders	65	4.97
	All Other Hand Workers	65	4.97
	Industrial And Safety Engineers	60	4.58
	All Other Professional, Paraprofessional And Technicians	50	3.82
o	All Other Electrical And Electronic Equipment	1760	100.00
	Electrical And Electronic Assemblers	400	22.73
	All Other Clerical And Administrative Support Workers	160	9.09
	Managerial And Administrative Occupations	140	7.96
	Machine Setters, Set-up Operators, Operators And Tenders	135	7.67
	Assemblers, Fabricators - Exc Mach, Electrcd, Electrmc, Prec	130	7.39
	All Other Professional, Paraprofessional And Technicians	90	5.11
	Electromechanical Equipment Assemblers - Prec	90	5.11
	Engineering And Related Technicians And Technologists	85	4.83

**Table C:**  
**Hampden County**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
All Other Precision Workers	85	4.82
Material Recording, Scheduling, Dispatching, Distributing	60	3.41
Precision Metal Workers	60	3.41
All Other Hand Workers	60	3.41
Engineers	55	3.13
Precision And Production Inspectors	55	3.13
All Other Precision Metal Assemblers	55	3.13
o Toys And Sporting Goods	3110	100.00
All Other Machine Operators	500	16.08
Assemblers, Fabricators - Exc Mach, Electrl, Electrnc, Prec	335	10.77
All Other Clerical And Administrative Support Workers	250	8.04
Managerial And Administrative Occupations	185	5.96
Precision And Production Inspectors	180	5.79
Plastic Molding, Casting Machine Operators And Tenders	155	4.98
All Other Helpers, Laborers, Movers - Hand	155	4.98
Sales Reps, Exc Scientific And Related Products Or Services	150	4.82
Material Recording, Scheduling, Dispatching, Distributing	125	4.03
All Other Hand Workers	125	4.03
Hand Packers And Packagers	125	4.02
All Other Professional, Paraprofessional And Technicians	110	3.53
Precision Production Occupations	110	3.53
First Line Supervisors - Production And Related	70	2.25
Mechanics, Installers And Repairers	70	2.25
Transportation, Material Moving Machine And Vehicle Operators	70	2.25
Secretaries, Stenographers And Typists	65	2.09
Metal Molding, Coremaking, Casting Machine Operators, Tenders	65	2.09
Management Support Occupations	55	1.77
Engineers	55	1.76
All Other Sales And Related Workers	55	1.77
Packaging And Filling Machine Operators	55	1.77
o All Other Miscellaneous Manufacturing Industries	1000	100.00
Precision Production Occupations	185	18.50
Machine Setters, Set-up Operators, Operators And Tenders	175	17.50
Clerical And Administrative Support Occupations	140	14.00
Assemblers, Fabricators - Exc Mach, Electrl, Electrnc, Prec	110	11.00
Hand Packers And Packagers	110	11.00
Managerial And Administrative Occupations	75	7.50
Sales And Related Occupations	55	5.50
All Other Hand Workers	55	5.50
o All Other Durable Goods Manufacturing	2570	100.00
Assemblers, Fabricators - Exc Mach, Electrl, Electrnc, Prec	425	16.54
All Other Machine Operators	280	10.89
All Other Precision Workers	205	7.97
All Other Clerical And Administrative Support Workers	145	5.65
General Managers And Top Executives	125	4.86
First Line Supervisors - Production And Related	115	4.48
Machinists	110	4.28
All Other Hand Workers	110	4.28
Cabinetmakers And Bench Carpenters	105	4.09
All Other Managers And Administrators	90	3.50
Professional, Paraprofessional And Technical Occupations	90	3.50
All Other Metal, Plastic Machine Setters, Set-up Operators	80	3.11
Truck Drivers, Heavy	80	3.11
Sheetmetal Machine Operator	75	2.92
Helpers, Laborers And Related	70	2.73
Carpenters	65	2.53

**Table C:**  
**Hampden County**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
All Other Material Moving Equipment Operators	65	2.53
Sales And Related Occupations	60	2.34
Material Recording, Scheduling, Dispatching, Distributing	60	2.33
Mechanics, Installers And Repairers	60	2.33
Lathe, Turning Mach Tool Setters, Set-up Operators, Metal, Pl	55	2.14
Secretaries, Stenographers And Typists	50	1.95
o Food And Kindred Products	1975	100.00
All Other Clerical And Administrative Support Workers	220	11.15
All Other Helpers, Laborers, Movers - Hand	215	10.89
Managerial And Administrative Occupations	160	8.11
Packaging And Filling Machine Operators	160	8.10
All Other Machine Operators	145	7.34
Driver/sales Workers	145	7.34
Precision Production Occupations	110	5.57
Truck Drivers, Heavy	95	4.81
Sales Reps, Exc Scientific And Related Products Or Services	75	3.80
Hand Packers And Packagers	75	3.80
Material Recording, Scheduling, Dispatching, Distributing	65	3.29
All Other Professional, Paraprofessional And Technicians	60	3.03
Mechanics, Installers And Repairers	55	2.79
Dairy Processing Equipment Operators, Including Setters	55	2.78
Management Support Occupations	50	2.53
Salespersons, Retail Trade	50	2.53
Janitors And Cleaners	50	2.53
Precision And Production Inspectors	50	2.53
o Apparel And Other Textile Prouducts	1045	100.00
Sewing Machine Operators, Garment	420	40.19
Precision Production Occupations	155	14.83
All Other Clerical And Administrative Support Workers	85	8.15
Hand Working Occupations, Including Assemblers, Fabricators	80	7.65
Helpers, Laborers And Related	75	7.17
Sewing Machine Operators, Non-garment	70	6.70
Traffic, Shipping And Receiving Clerks	55	5.26
o Paper Mills, Except Building Paper	1285	100.00
All Other Machine Operators	275	21.39
Helpers, Laborers And Related	175	13.62
Clerical And Administrative Support Occupations	130	10.11
Managerial And Administrative Occupations	80	6.22
Paper Goods Machine Setters And Set-up Operators	80	6.22
First Line Supervisors - Production And Related	75	5.84
Mechanics, Installers And Repairers	75	5.85
Cutting And Slicing Machine Operators	65	5.06
Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	65	5.06
Precision Production Occupations	60	4.68
Professional, Paraprofessional And Technical Occupations	50	3.88
Sales And Related Occupations	50	3.89
o Miscellaneous Converted Paper Products	3925	100.00
All Other Machine Operators	630	16.04
All Other Clerical And Administrative Support Workers	275	7.00
Paper Goods Machine Setters And Set-up Operators	270	6.88
Cutting And Slicing Machine Operators	210	5.35
All Other Helpers, Laborers, Movers - Hand	195	4.97
Printing Press Machine Operators	175	4.46
All Other Managers And Administrators	150	3.81



**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
Coating, Painting And Spraying Machine Operators And Tenders	130	3.31
Packaging And Filling Machine Operators	130	3.31
All Other Professional, Paraprofessional And Technicians	120	3.06
Management Support Occupations	115	2.93
Secretaries, Stenographers And Typists	110	2.80
Sales Reps, Exc Scientific And Related Products Or Services	105	2.68
Traffic, Shipping And Receiving Clerks	100	2.55
Mechanics, Installers And Repairers	90	2.30
All Other Sales And Related Workers	85	2.16
Stock Clerks - Stockroom, Warehouse And Storage Yard	85	2.17
Precision Production Occupations	85	2.18
First Line Supervisors - Production And Related	80	2.04
Hand Working Occupations, Including Assemblers, Fabricators	80	2.03
Marketing, Advertising And Related Managers	75	1.91
All Other Metal And Plastic Machine Operators And Tenders	70	1.78
Bookkeeping, Accounting, Auditing Clerks	65	1.66
Hand Packers And Packagers	65	1.66
Financial Managers	60	1.53
Engineers	60	1.53
General Managers And Top Executives	55	1.40
Computer Programmers	55	1.40
Specialty Materials Printing Machine Setters, Set-up Operator	55	1.40
Industrial Truck And Tractor Operators	55	1.40
All Other Material Moving Equipment Operators	55	1.40
o Paperboard Containers And Boxes	1250	100.00
All Other Machine Operators	330	26.40
All Other Helpers, Laborers, Movers - Hand	140	11.20
Clerical And Administrative Support Occupations	120	9.60
Printing Press Machine Operators	110	8.80
Precision Production Occupations	75	6.00
Machine Feeders And Offbearers	70	5.60
Specialty Materials Printing Machine Setters, Set-up Operator	65	5.20
Sales Reps, Exc Scientific And Related Products Or Services	60	4.80
First Line Supervisors - Production And Related	60	4.80
Managerial And Administrative Occupations	55	4.40
Truck Drivers, Heavy	50	4.00
o Newspapers	2055	100.00
All Other Clerical And Administrative Support Workers	200	9.73
All Other Professional, Paraprofessional And Technicians	170	8.27
Machine Feeders And Offbearers	155	7.54
Reporters And Correspondents	150	7.30
Adjustment Clerks	130	6.33
Driver/sales Workers	130	6.33
All Other Sales And Related Workers	120	5.84
Writers And Editors, Including Technical Writers	105	5.11
Advertising Clerks	105	5.11
Typists And Word Processors	105	5.11
General Office Clerk	100	4.87
Managerial And Administrative Occupations	80	3.89
First Line Supervisors - Clerical And Administrative Clerks	80	3.89
All Other Precision Printing Workers	80	3.89
All Other Machine Operators	80	3.90
Sales Agents, Advertising	65	3.16
Hand Packers And Packagers	60	2.92
Typesetting And Composing Machine Operators And Tenders	55	2.68

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o Blankbooks And Bookbinding	2100	100.00
All Other Helpers, Laborers, Movers - Hand	235	11.19
Assemblers, Fabricators - Exc Mach, Electrol, Electrnrc, Prec	225	10.71
All Other Clerical And Administrative Support Workers	195	9.28
All Other Hand Workers	195	9.29
Professional, Paraprofessional And Technical Occupations	170	8.10
Precision Production Occupations	170	8.09
Bindery Machine Operators	140	6.67
All Other Machine Operators	125	5.96
Sales Reps, Exc Scientific And Related Products Or Services	120	5.71
Managerial And Administrative Occupations	95	4.52
First Line Supervisors - Production And Related	65	3.10
Blue Collar Worker Supervisors	65	3.10
Hand Packers And Packagers	65	3.10
Stock Clerks - Stockroom, Warehouse And Storage Yard	55	2.62
All Other Material Recording And Related Workers	55	2.61
All Other Printing Related Setters And Set-up Operators	55	2.62
o All Other Printing And Publishing	1815	100.00
All Other Clerical And Administrative Support Workers	180	9.92
Printing Press Machine Operators	120	6.61
General Managers And Top Executives	115	6.33
All Other Precision Workers	105	5.78
Professional, Paraprofessional And Technical Occupations	85	4.69
All Other Sales And Related Workers	85	4.69
Typists And Word Processors	85	4.68
All Other Managers And Administrators	80	4.40
Precision Lithography And Photoengraving Workers	80	4.41
General Office Clerk	75	4.13
Electronic Data Processing, Other Office Machine Occupations	75	4.13
All Other Machine Operators	75	4.13
Precision Compositors And Others	70	3.86
Job Printers	70	3.86
Offset Lithographic Press Setters	70	3.86
First Line Supervisors - Production And Related	65	3.58
Typesetting And Composing Machine Operators And Tenders	60	3.31
Helpers, Laborers And Related	60	3.31
Sales Reps, Exc Scientific And Related Products Or Services	55	3.03
Material Recording, Scheduling, Dispatching, Distributing	55	3.04
All Other Printing, Binding, Related Machine Ops And Tenders	55	3.03
Proofreaders And Copy Markers	50	2.75
o Plastics Materials And Synthetics	1465	100.00
Chemical Equipment Controllers And Operators	250	17.07
Managerial And Administrative Occupations	145	9.91
All Other Machinery Maintenance Mechanics	115	7.85
Chemical Technicians, Technologists, Exc Health, Engineering	105	7.17
Chemical Engineers	100	6.83
Clerical And Administrative Support Occupations	90	6.15
Chemists, Except Biochemists	85	5.80
First Line Supervisors, Manager/supers - Prod, Constr, Maint	80	5.46
All Other Professional, Paraprofessional And Technicians	55	3.74
Precision And Production Inspectors	55	3.75
Precision Instrument Repairers	55	3.75
Precision Production Occupations	50	3.41
Chemical Plant And System Operators	50	3.41

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
Transportation, Communications & Utilities	o Miscellaneous Plastics Products	1985	100.00
	Plastic Molding, Casting Machine Operators And Tenders	335	16.88
	Assemblers, Fabricators - Exc Mach, Electrcel, Electrnc, Prec	285	14.36
	All Other Machine Operators	180	9.07
	Clerical And Administrative Support Occupations	170	8.57
	Hand Packers And Packagers	150	7.56
	Precision Production Occupations	120	6.04
	All Other Metal, Plastic Machine Setters, Set-up Operators	95	4.78
	All Other Helpers, Laborers, Movers - Hand	95	4.78
	Professional, Paraprofessional And Technical Occupations	80	4.03
	First Line Supervisors - Production And Related	75	3.78
	All Other Metal And Plastic Machine Operators And Tenders	75	3.78
	Mechanics, Installers And Repairers	70	3.52
	All Other Managers And Administrators	60	3.02
	General Managers And Top Executives	50	2.52
	All Other Hand Workers	50	2.52
	o All Other Nondurable Goods Manufacturing	2595	100.00
	All Other Machine Operators	305	11.75
	Textile Machine Ops, Tenders - Winding, Twisting, Knitting	225	8.67
	All Other Helpers, Laborers, Movers - Hand	210	8.10
	All Other Clerical And Administrative Support Workers	205	7.89
	All Other Professional, Paraprofessional And Technicians	160	6.15
	All Other Managers And Administrators	130	5.02
	Sales And Related Occupations	120	4.62
	Mechanics, Installers And Repairers	100	3.85
	All Other Metal And Plastic Machine Operators And Tenders	100	3.86
	First Line Supervisors - Production And Related	85	3.28
	Precision And Production Inspectors	85	3.28
	Precision Production Occupations	85	3.28
	General Managers And Top Executives	80	3.08
	Crushing, Grinding, Mixing, Blending Machine Ops And Tenders	80	3.08
	Hand Packers And Packagers	80	3.08
	Textile Machine Setters And Set-up Operators	75	2.89
	Assemblers, Fabricators - Exc Mach, Electrcel, Electrnc, Prec	75	2.89
	Transportation, Material Moving Machine And Vehicle Operators	70	2.70
	Management Support Occupations	60	2.31
	Material Recording, Scheduling, Dispatching, Distributing	55	2.12
	Construction Trades, Extractive Occupations, Exc Mat Moving	55	2.12
	Secretaries, Stenographers And Typists	50	1.93
	General Office Clerk	50	1.93
Transportation, Communications & Utilities	o Local And Interurban Passenger Transportation	1485	100.00
	Bus Drivers, School	565	38.05
	Bus Drivers	240	16.16
	All Other Material Moving Equipment Operators	165	11.11
	Truck Drivers, Heavy	135	9.09
	Clerical And Administrative Support Occupations	95	6.39
	Mechanics, Installers And Repairers	70	4.72
	Emergency Medical Technicians	65	4.38
	Managerial And Administrative Occupations	50	3.37
	Precision Production Occupations	50	3.37
	o Trucking And Warehousing	3035	100.00
	Truck Drivers, Heavy	1240	40.86
	All Other Material Moving Equipment Operators	330	10.87
	Communications, Transportation, Utilities Operations Managers	165	5.44

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
	All Other Clerical And Administrative Support Workers	160	5.27
	Industrial Truck And Tractor Operators	155	5.11
	Truck Drivers, Light - Including Delivery And Route Drivers	150	4.94
	General Office Clerk	135	4.45
	All Other Helpers, Laborers, Movers - Hand	115	3.79
	Hand Packers And Packagers	95	3.13
	All Other Transportation Workers	75	2.47
	Bus And Truck Mechanics And Diesel Mechanics	70	2.31
	Bookkeeping, Accounting, Auditing Clerks	65	2.14
	Material Recording, Scheduling, Dispatching, Distributing	60	1.97
	Precision Production Occupations	60	1.98
	First Line Supervisors - Transportation And Related	50	1.65
o	All Other Transportation And Public Utilities	4095	100.00
	All Other Clerical And Administrative Support Workers	500	12.22
	All Other Professional, Paraprofessional And Technicians	465	11.34
	First Line Supervisors - Clerical And Administrative Clerks	350	8.55
	Precision Production Occupations	320	7.82
	General Office Clerk	230	5.62
	Managerial And Administrative Occupations	215	5.25
	Travel Agents	185	4.52
	Station Installers And Repairers, Telephone	180	4.40
	Electric Powerline Installers And Repairers	165	4.03
	Central Office And Pbx Installers And Repairers	130	3.17
	All Other Mechanics, Installers And Repairers	130	3.18
	Customer Service Representative, Utilities	110	2.69
	All Other Sales And Related Workers	105	2.57
	All Other Transportation Workers	105	2.57
	Central Office Operators	90	2.20
	Truck Drivers, Heavy	85	2.08
	Helpers, Laborers And Related	85	2.07
	All Other Material Recording And Related Workers	80	1.94
	All Power Operators	80	1.95
	Service Occupations	75	1.83
	Production, Planning, Expediting Clerks	70	1.71
	Announcers, Radio And Television	65	1.59
	First Line Supervisors - Mechanics And Repairers	60	1.46
	Telephone And Cable Tv Line Installers And Repairers	60	1.46
	All Other Electric, Electronic Equip Mechs, Reprers, Instllrs	55	1.34
<b>Wholesale &amp; Retail Trade</b>	o Wholesale Trade-Durable Goods	6085	100.00
	Sales Reps, Exc Scientific And Related Products Or Services	570	9.37
	General Managers And Top Executives	420	6.90
	All Other Helpers, Laborers, Movers - Hand	360	5.92
	Sales Reps, Scientific And Related Products And Services	330	5.42
	Salespersons, Parts	270	4.44
	Truck Drivers, Light - Including Delivery And Route Drivers	245	4.03
	Salespersons, Retail Trade	230	3.78
	General Office Clerk	230	3.78
	Bookkeeping, Accounting, Auditing Clerks	210	3.45
	All Other Clerical And Administrative Support Workers	210	3.44
	First Line Supervisors And Manager/supervisors - Sales And Re	190	3.12
	Secretaries, Stenographers And Typists	180	2.96
	Precision Production Occupations	175	2.87
	Truck Drivers, Heavy	170	2.79
	Traffic, Shipping And Receiving Clerks	155	2.55
	First Line Supervisors - Clerical And Administrative Clerks	145	2.38
	Management Support Occupations	135	2.22
	All Other Sales And Related Workers	125	2.06
	All Other Material Moving Equipment Operators	125	2.06



**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
Electrical, Electronic Engineering Technicians, Technologists	110	1.81
Stock Clerks - Stockroom, Warehouse And Storage Yard	110	1.81
All Other Mechanics, Installers And Repairers	105	1.73
Data Processing Equipment Repairers	100	1.64
Order Clerks - Materials, Merchandise And Service	85	1.40
Order Fillers, Wholesale And Retail Sales	85	1.40
All Other Material Recording And Related Workers	80	1.32
Bus And Truck Mechanics And Diesel Mechanics	70	1.15
Mobile Heavy Equipment Mechanics	70	1.15
All Other Professional, Paraprofessional And Technicians	65	1.07
All Other Office Machine Operators	65	1.07
First Line Supervisors - Mechanics And Repairers	65	1.07
All Other Managers And Administrators	60	0.99
Construction Trades, Extractive Occupations, Exc Mat Moving	60	0.98
Purchasing Managers	55	0.90
Computer Programmers	55	0.90
Engineers	50	0.82
Billing, Posting And Calculating Machine Operators	50	0.82
Maintenance Repairers, General Utility	50	0.82
Assemblers, Fabricators - Exc Mach, Electrcal, Electrncl, Prec	50	0.82
Hand Packers And Packagers	50	0.82
o Wholesale Trade-Nondurable Goods	3495	100.00
Sales Reps, Exc Scientific And Related Products Or Services	395	11.30
Truck Drivers, Light - Including Delivery And Route Drivers	295	8.44
Truck Drivers, Heavy	250	7.15
All Other Helpers, Laborers, Movers - Hand	185	5.29
General Office Clerk	180	5.15
Traffic, Shipping And Receiving Clerks	180	5.15
Hand Packers And Packagers	170	4.86
Salespersons, Retail Trade	165	4.72
Order Fillers, Wholesale And Retail Sales	160	4.58
General Managers And Top Executives	150	4.29
Precision Production Occupations	100	2.86
First Line Supervisors And Manager/supervisors - Sales And Re	90	2.58
All Other Professional, Paraprofessional And Technicians	85	2.43
All Other Clerical And Administrative Support Workers	85	2.43
Butchers And Meat Cutters	85	2.43
All Other Managers And Administrators	80	2.28
Secretaries, Stenographers And Typists	80	2.29
Bookkeeping, Accounting, Auditing Clerks	80	2.29
Stock Clerks - Stockroom, Warehouse And Storage Yard	75	2.15
All Other Service Workers	75	2.15
All Other Sales And Related Workers	70	2.00
Electronic Data Processing, Other Office Machine Occupations	70	2.01
Stock Clerks, Sales Floor	65	1.86
First Line Supervisors - Clerical And Administrative Clerks	65	1.86
All Other Material Moving Equipment Operators	60	1.73
Management Support Occupations	55	1.58
Order Clerks - Materials, Merchandise And Service	55	1.57
o General Merchandise Stores	5730	100.00
Salespersons, Retail Trade	2055	35.86
Cashiers	640	11.17
Stock Clerks, Sales Floor	310	5.41
Adjustment Clerks	240	4.19
All Other Clerical And Administrative Support Workers	235	4.10
Bill And Account Collectors	170	2.97
All Other Sales And Related Workers	155	2.71
General Managers And Top Executives	150	2.62

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
	All Other Managers And Administrators	150	2.62
	First Line Supervisors And Manager/supervisors - Sales And Re	110	1.92
	Automotive Mechanics	105	1.83
	Electric Home Appliance And Power Tool Repairers	105	1.83
	Traffic, Shipping And Receiving Clerks	100	1.75
	Janitors And Cleaners	95	1.66
	Stock Clerks - Stockroom, Warehouse And Storage Yard	80	1.40
	All Other Food Service Workers	80	1.40
	Credit Checkers	75	1.31
	Marketing, Advertising And Related Managers	70	1.22
	Management Support Occupations	70	1.22
	General Office Clerk	70	1.22
	Dispatchers - Except Police, Fire And Ambulance	70	1.22
	All Other Mechanics, Installers And Repairers	70	1.22
	Hand Packers And Packagers	65	1.13
	Switchboard Operator	60	1.05
	Guards And Watch Guards	60	1.05
	Maintenance Repairers, General Utility	60	1.05
	All Other Material Recording And Related Workers	55	0.96
	Interior Designers	50	0.87
	Peripheral Edp Equipment Operators	50	0.87
	All Other Service Workers	50	0.87
o	Food Stores	7685	100.00
	Cashiers	2450	31.88
	Stock Clerks, Sales Floor	1620	21.08
	Salespersons, Retail Trade	435	5.66
	General Managers And Top Executives	400	5.20
	Butchers And Meat Cutters	390	5.07
	All Other Sales And Related Workers	360	4.68
	All Other Clerical And Administrative Support Workers	235	3.06
	All Other Service Workers	235	3.06
	Janitors And Cleaners	225	2.93
	Bakers, Bread And Pastry	190	2.47
	Hand Packers And Packagers	170	2.21
	All Other Managers And Administrators	145	1.89
	Professional, Paraprofessional And Technical Occupations	135	1.76
	Bookkeeping, Accounting, Auditing Clerks	130	1.69
	First Line Supervisors And Manager/supervisors - Sales And Re	115	1.50
	General Office Clerk	100	1.30
	Dining Room, Counter And Cafe Attendants	90	1.17
	All Other Transportation Workers	80	1.04
	Helpers, Laborers And Related	75	0.98
	Counter And Rental Clerks	55	0.72
	Precision Production Occupations	50	0.65
o	Automotive Dealers And Service Stations	4075	100.00
	Automotive Mechanics	660	16.20
	Service Station Attendants	610	14.97
	Salespersons, Retail Trade	445	10.92
	General Managers And Top Executives	275	6.75
	First Line Supervisors - Mechanics And Repairers	245	6.01
	All Other Mechanics, Installers And Repairers	235	5.77
	Salespersons, Parts	180	4.42
	Automotive Body And Related Repairers	155	3.80
	Cashiers	150	3.68
	Bookkeeping, Accounting, Auditing Clerks	150	3.68
	All Other Clerical And Administrative Support Workers	150	3.68
	General Office Clerk	140	3.44
	All Other Transportation Workers	100	2.45

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
	All Other Helpers, Laborers, Movers - Hand	100	2.45
	All Other Sales And Related Workers	75	1.85
	First Line Supervisors - Clerical And Administrative Clerks	70	1.72
	Vehicle Washers And Equipment Cleaners	70	1.72
	Marketing, Advertising And Related Managers	60	1.47
	Billing, Cost And Rate Clerks	55	1.35
o	Furniture And Home Furnishing Stores	1645	100.00
	Salespersons, Retail Trade	485	29.48
	General Managers And Top Executives	185	11.25
	All Other Clerical And Administrative Support Workers	130	7.90
	Truck Drivers, Light - Including Delivery And Route Drivers	125	7.60
	General Office Clerk	90	5.47
	All Other Mechanics, Installers And Repairers	85	5.16
	Stock Clerks, Sales Floor	75	4.56
	Bookkeeping, Accounting, Auditing Clerks	75	4.56
	Electric Home Appliance And Power Tool Repairers	75	4.56
	Cashiers	60	3.65
	First Line Supervisors - Clerical And Administrative Clerks	55	3.34
	Professional, Paraprofessional And Technical Occupations	50	3.04
o	Eating And Drinking Places	11310	100.00
	Waiters And Waitresses	3745	33.11
	All Other Food Service Workers	1395	12.33
	Cooks, Speciality Fast Food And Fast Food	875	7.74
	Cashiers	725	6.41
	Food Preparation Workers	645	5.70
	Cooks, Restaurant	635	5.62
	Bartenders	605	5.35
	Dining Room, Counter And Cafe Attendants	460	4.07
	Hosts And Hostesses	365	3.23
	General Managers And Top Executives	355	3.14
	First Line Supervisors - Service	355	3.14
	Food Service And Lodging Managers	240	2.12
	Driver/sales Workers	160	1.41
	All Other Clerical And Administrative Support Workers	125	1.10
	Bookkeeping, Accounting, Auditing Clerks	110	0.97
	Mechanics, Installers And Repairers	75	0.66
	All Other Service Workers	70	0.62
	First Line Supervisors - Clerical And Administrative Clerks	60	0.53
	Janitors And Cleaners	60	0.53
Finance, Insurance & Real Estate	o Commercial And Stock Savings Banks	2655	100.00
	Tellers	985	37.10
	Financial Managers	255	9.61
	All Other Clerical And Administrative Support Workers	240	9.05
	New Accounts Clerks	210	7.91
	Loan Officers And Counselors	205	7.72
	First Line Supervisors - Clerical And Administrative Clerks	145	5.46
	General Office Clerk	125	4.71
	General Managers And Top Executives	90	3.39
	Loan And Credit Clerks	90	3.39
	Secretaries, Stenographers And Typists	70	2.64
	Bookkeeping, Accounting, Auditing Clerks	65	2.45
	All Other Management Support Workers	60	2.25

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o Mutual Savings Banks	1145	100.00
Tellers	445	38.86
All Other Clerical And Administrative Support Workers	240	20.95
All Other Managers And Administrators	75	6.55
Accountants, Auditors And Other Financial Specialists	70	6.12
First Line Supervisors - Clerical And Administrative Clerks	70	6.11
New Accounts Clerks	70	6.11
Loan And Credit Clerks	65	5.68
Financial Managers	60	5.24
o Life Insurance	4720	100.00
Sales Agents And Placers, Insurance	2920	61.86
General Office Clerk	590	12.50
First Line Supervisors And Manager/supervisors - Sales And Re	560	11.86
First Line Supervisors - Clerical And Administrative Clerks	260	5.51
Secretaries, Stenographers And Typists	130	2.75
General Managers And Top Executives	115	2.44
Financial Managers	80	1.70
All Other Clerical And Administrative Support Workers	65	1.38
o Accident And Health Insurance And Medical Service Plans	1435	100.00
All Other Clerical And Administrative Support Workers	475	33.10
General Office Clerk	110	7.67
Insurance Policy Processing Clerks	90	6.27
Managerial And Administrative Occupations	85	5.92
Management Support Occupations	85	5.93
Adjusters, Examiners, Investigators	85	5.92
All Other Mathematical Scientists	70	4.88
Health Practitioners, Technologists, Technicians And Related	70	4.88
Typists And Word Processors	70	4.88
Insurance Claims Clerks	65	4.53
Secretaries, Stenographers And Typists	60	4.18
All Other Professional, Paraprofessional And Technicians	55	3.83
Data Entry Keyers, Except Composing	55	3.83
o Insurance Agents, Brokers And Service	1075	100.00
All Other Clerical And Administrative Support Workers	260	24.19
Underwriters	160	14.88
Insurance Policy Processing Clerks	130	12.09
General Managers And Top Executives	120	11.16
Sales Agents And Placers, Insurance	105	9.77
All Other Sales And Related Workers	100	9.30
Secretaries, Stenographers And Typists	60	5.58
General Office Clerk	55	5.12
o Real Estate Agents And Managers	1120	100.00
Brokers And Sales Agents, Real Estate	160	14.29
Maintenance Repairers, General Utility	145	12.95
Janitors And Cleaners	125	11.16
All Other Clerical And Administrative Support Workers	115	10.27
Property And Real Estate Managers And Administrators	70	6.25
General Managers And Top Executives	70	6.25
Garderners And Groundskeepers, Except Farm	70	6.25
Secretaries, Stenographers And Typists	60	5.36
Bookkeeping, Accounting, Auditing Clerks	60	5.36
All Other Sales And Related Workers	55	4.92
Painters, Paperhangers, Construction And Maintenance	55	4.91



**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
Service Industries	o All Other Finance, Insurance And Real Estate	1985	100.00
	Secretaries, Stenographers And Typists	250	12.59
	All Other Clerical And Administrative Support Workers	240	12.09
	Insurance Claims Clerks	230	11.59
	First Line Supervisors - Clerical And Administrative Clerks	145	7.31
	All Other Professional, Paraprofessional And Technicians	140	7.05
	Tellers	125	6.30
	Accountants, Auditors And Other Financial Specialists	105	5.29
	Financial Managers	90	4.53
	General Managers And Top Executives	90	4.53
	Sales Occupations, Services	75	3.78
	Adjusters, Examiners, Investigators	75	3.78
	Service Occupations	75	3.78
	Maintenance Repairers, General Utility	75	3.78
	Property And Real Estate Managers And Administrators	70	3.53
	Bookkeeping, Accounting, Auditing Clerks	65	3.28
	o Hotels, Motels And Tourist Courts	1375	100.00
	Janitors And Cleaners, Including Housekeepers And Maids	310	22.55
	Waiters And Waitresses	175	12.73
	Hotel Desk Clerks	120	8.73
	All Other Clerical And Administrative Support Workers	115	8.36
	All Other Food Service Workers	105	7.63
	Managerial And Administrative Occupations	100	7.27
	All Other Service Workers	95	6.92
	Cooks, Restaurant	70	5.09
	Food Preparation Workers	70	5.09
	Bartenders	65	4.73
	Professional, Paraprofessional And Technical Occupations	55	3.99
	o Services To Dwellings And Other Buildings	1160	100.00
	Janitors And Cleaners	565	48.71
	Janitors And Cleaners, Including Housekeepers And Maids	240	20.69
	All Other Cleaning And Building Service Workers	90	7.76
	General Managers And Top Executives	70	6.04
	Maintenance Repairers, General Utility	70	6.03
	Clerical And Administrative Support Occupations	60	5.17
	o Personnel Supply Services	2345	100.00
	Nurse Aides, Orderlies And Attendants	280	11.94
	All Other Clerical And Administrative Support Workers	225	9.60
	Helpers, Laborers And Related	200	8.53
	Secretaries, Stenographers And Typists	190	8.10
	Engineering, Mathematical And Natural Science Managers	150	6.40
	Typists And Word Processors	150	6.40
	Truck Drivers, Light - Including Delivery And Route Drivers	125	5.33
	All Other Professional, Paraprofessional And Technicians	100	4.26
	Engineers	95	4.06
	Employment Interviewers	90	3.84
	Registered Nurses	85	3.62
	Licensed Practical Nurses	85	3.62
	All Other Managers And Administrators	80	3.42
	Home Health Aides	75	3.20
	Stock Clerks - Stockroom, Warehouse And Storage Yard	70	2.98
	All Other Material Moving Equipment Operators	70	2.98
	Sales And Related Occupations	65	2.77
	Receptionists And Information Clerks	65	2.77
	Electrical, Electronic Engineering Technicians, Technologists	55	2.34

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o Miscellaneous Business Services	2510	100.00
Guards And Watch Guards	610	24.30
All Other Professional, Paraprofessional And Technicians	205	8.17
All Other Sales And Related Workers	150	5.97
General Managers And Top Executives	135	5.38
All Other Managers And Administrators	125	4.98
Counter And Rental Clerks	125	4.98
Secretaries, Stenographers And Typists	125	4.98
All Other Clerical And Administrative Support Workers	125	4.98
Physical Scientists	120	4.78
Computer Programmers	100	3.98
First Line Supervisors - Clerical And Administrative Clerks	95	3.78
Management Support Occupations	85	3.39
Interview Clerks, Except Personnel And Welfare	70	2.79
Engineering And Related Technicians And Technologists	65	2.60
Data Entry Keyers, Except Composing	65	2.59
Engineers	60	2.39
Bill And Account Collectors	60	2.39
Financial Managers	55	2.19
o Automotive Repair Shops	1405	100.00
Automotive Body And Related Repairers	400	28.47
Automotive Mechanics	310	22.06
Clerical And Administrative Support Occupations	165	11.74
First Line Supervisors - Mechanics And Repairers	85	6.05
General Managers And Top Executives	70	4.98
Sales And Related Occupations	65	4.63
Truck Drivers, Light - Including Delivery And Route Drivers	60	4.27
Machinists	55	3.92
o Office Of Physicians	1895	100.00
Physicians And Surgeons	295	15.57
Registered Nurses	270	14.25
Medical Secretaries	270	14.25
Receptionists And Information Clerks	130	6.86
File Clerks	110	5.81
First Line Supervisors - Clerical And Administrative Clerks	105	5.54
Billing, Cost And Rate Clerks	105	5.54
Licensed Practical Nurses	95	5.01
Recreation Workers	90	4.75
Billing, Posting And Calculating Machine Operators	90	4.75
Radiologic Technicians	75	3.96
Medical Assistants	75	3.96
All Other Managers And Administrators	70	3.69
All Other Professional, Paraprofessional And Technicians	55	2.90
o Office Of Dentists	1045	100.00
Dental Assistants	290	27.75
Dental Hygienists	205	19.62
Dentists	195	18.66
Medical Secretaries	120	11.48
Receptionists And Information Clerks	65	6.22
All Other Clerical And Administrative Support Workers	65	6.23
Managerial And Administrative Occupations	55	5.25

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
o Nursing And Personal Care Facilities	3315	100.00
Nurse Aides, Orderlies And Attendants	1270	38.31
Licensed Practical Nurses	345	10.41
Registered Nurses	200	6.03
Janitors And Cleaners, Including Housekeepers And Maids	200	6.03
Food Preparation Workers	195	5.88
Managerial And Administrative Occupations	130	3.93
Clerical And Administrative Support Occupations	120	3.63
Cooks, Institution Or Cafe	100	3.02
All Other Health Professionals And Others	95	2.85
Laundry And Drycleaning Machine Operators	90	2.72
All Other Professional, Paraprofessional And Technicians	85	2.56
All Other Food Service Workers	85	2.56
Janitors And Cleaners	85	2.56
Home Health Aides	70	2.11
All Other Service Workers	70	2.12
Waiters And Waitresses	60	1.81
Precision Production Occupations	55	1.66
Recreational Therapists	50	1.51
o Hospitals	11015	100.00
Registered Nurses	2420	21.97
Nurse Aides, Orderlies And Attendants	1355	12.30
Licensed Practical Nurses	780	7.08
Janitors And Cleaners, Including Housekeepers And Maids	545	4.95
Medical And Clinical Laboratory Technologists And Technicians	350	3.18
All Other Health Professionals And Others	320	2.90
All Other Managers And Administrators	300	2.72
General Office Clerk	260	2.36
All Other Clerical And Administrative Support Workers	230	2.10
Food Preparation Workers	230	2.09
All Other Professional, Paraprofessional And Technicians	225	2.04
Typists And Word Processors	225	2.04
All Other Food Service Workers	220	1.99
Secretaries	215	1.95
Waiters And Waitresses	205	1.86
All Other Health Servicers	205	1.86
Radiologic Technicians	165	1.50
Janitors And Cleaners	155	1.41
Construction Trades, Extractive Occupations, Exc Mat Moving	150	1.36
Physicians And Surgeons	145	1.32
All Other Service Workers	140	1.27
Respiratory Therapists	135	1.23
All Other Therapists	135	1.22
Interview Clerks, Except Personnel And Welfare	130	1.18
Mechanics, Installers And Repairers	125	1.13
Surgical Technicians	110	1.00
Receptionists And Information Clerks	105	0.95
Laundry And Drycleaning Machine Operators	95	0.86
Billing, Cost And Rate Clerks	90	0.82
Medical And Health Service Managers	85	0.77
Social Workers, Medical And Non-medical	85	0.77
Transportation, Material Moving Machine And Vehicle Operators	85	0.78
First Line Supervisors - Clerical And Administrative Clerks	80	0.73
Switchboard Operator	80	0.73
Cooks, Institution Or Cafe	80	0.73
General Managers And Top Executives	70	0.63
Medical Records Technicians	70	0.63
Pharmacists	65	0.59

**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

	Employment	Percent Distribution
Material Recording, Scheduling, Dispatching, Distributing	65	0.59
Pharmacy Assistants	65	0.59
Accountants, Auditors And Other Financial Specialists	55	0.50
Medical Secretaries	55	0.50
Electronic Data Processing, Other Office Machine Occupations	55	0.50
Physical And Life Science Technicians And Technologists	50	0.46
Adjustment Clerks	50	0.45
o Health And Allied Services, Not Elsewhere Classified	1920	100.00
Home Health Aides	570	29.69
Registered Nurses	425	22.14
Social Welfare Service Aides	300	15.63
General Office Clerk	115	5.99
Instructors, Nonvocational Education	85	4.43
All Other Clerical And Administrative Support Workers	85	4.42
Medical And Health Service Managers	70	3.65
General Managers And Top Executives	70	3.65
All Other Therapists	60	3.12
Licensed Practical Nurses	55	2.86
o All Other Health Services	1355	100.00
All Other Clerical And Administrative Support Workers	280	20.66
Registered Nurses	135	9.96
Managerial And Administrative Occupations	110	8.12
All Other Professional, Paraprofessional And Technicians	110	8.11
Nurse Aides, Orderlies And Attendants	110	8.12
All Other Health Professionals And Others	95	7.01
Medical And Clinical Laboratory Technologists And Technicians	85	6.27
Receptionists And Information Clerks	80	5.90
All Other Service Workers	70	5.18
Social Workers, Medical And Non-medical	60	4.43
All Other Health Diagnosing And Treating Practitioners	60	4.43
Secretaries, Stenographers And Typists	60	4.43
Licensed Practical Nurses	50	3.69
o Legal Services	1305	100.00
Legal Secretaries	400	30.65
Lawyers	325	24.90
Paralegal Personnel	160	12.26
All Other Clerical And Administrative Support Workers	145	11.12
All Other Professional, Paraprofessional And Technicians	90	6.90
Managerial And Administrative Occupations	70	5.36
General Office Clerk	60	4.60
Typists And Word Processors	55	4.21
o Elementary And Secondary Schools	10735	100.00
Teachers, Secondary School	2670	24.87
Teachers, Elementary	2455	22.87
Teacher Aides, Paraprofessional	895	8.34
Janitors And Cleaners	590	5.50
Teachers, Special Education	515	4.80
Food Preparation Workers	480	4.47
Education Administrators	310	2.89
General Office Clerk	295	2.75
College And University Faculty	285	2.65
Athletes, Coaches, Umpires And Related	265	2.47
Teachers, Preschool And Kindergarden	185	1.72
Vocational And Educational Counselors	185	1.72



**Table C:  
Hampden County  
Employment in  
Selected Industries  
by Occupation**

		Employment	Percent Distribution
	Cooks, Institution Or Cafe	175	1.63
	Secretaries, Stenographers And Typists	165	1.54
	All Other Professional, Paraprofessional And Technicians	155	1.45
	All Other Clerical And Administrative Support Workers	150	1.40
	Teacher Aides And Education Assistants	145	1.35
	All Other Teachers And Related Workers	140	1.30
	All Other Health Professionals And Others	95	0.88
	All Other Food Service Workers	90	0.84
	Crossing Guards	85	0.79
	All Other Managers And Administrators	70	0.65
	All Other Protective Services	70	0.65
	Librarians, Professional	65	0.60
	Instructors And Coaches, Sports	55	0.51
	Transportation, Material Moving Machine And Vehicle Operators	55	0.52
	o Individual And Family Social Services	1275	100.00
	Social Workers, Medical And Non-medical	280	21.96
	All Other Clerical And Administrative Support Workers	190	14.92
	Social Welfare Service Aides	165	12.94
	All Other Managers And Administrators	140	10.98
	All Other Service Workers	140	10.97
	All Other Professional, Paraprofessional And Technicians	90	7.06
	Social Service Technicians	85	6.67
	General Managers And Top Executives	75	5.88
	Secretaries, Stenographers And Typists	50	3.92
	Typists And Word Processors	50	3.92
	o Residential Care	1120	100.00
	Social Service Technicians	220	19.64
	All Other Service Workers	175	15.63
	Managerial And Administrative Occupations	120	10.72
	Nurse Aides, Orderlies And Attendants	110	9.82
	Health Practitioners, Technologists, Technicians And Related	105	9.37
	Social Workers, Medical And Non-medical	95	8.48
	Food And Beverage Preparation And Service Workers	70	6.25
	All Other Teachers And Related Workers	60	5.35
	Clerical And Administrative Support Occupations	60	5.36
	Janitors And Cleaners, Including Housekeepers And Maids	60	5.36
<b>Government</b>	o State Government, Exc. Education & Hospitals	1160	100.00
	Helpers, Laborers And Related	335	28.88
	Cashiers	160	13.79
	Service Occupations	135	11.65
	Computer Operators, Except Peripheral Equipment	105	9.05
	All Other Clerical And Administrative Support Workers	95	8.20
	All Other Transportation Workers	70	6.03
	Managerial And Administrative Occupations	60	5.17
	Maintenance Repairers, General Utility	60	5.17
	Hand Working Occupations, Including Assemblers, Fabricators	55	4.74
	Precision Production Occupations	50	4.31
	o Local Government, Exc. Education & Hospitals	8730	100.00
	Fire Fighters	960	11.00
	Police Detectives And Investigators	950	10.88
	Maintenance Repairers, General Utility	485	5.56
	Administrative Service Managers	450	5.16
	Highway Maintenance Workers	365	4.18
	All Other Helpers, Laborers, Movers - Hand	365	4.18

**Table C:**  
**Hampden County**  
**Employment in**  
**Selected Industries**  
**by Occupation**

	Employment	Percent Distribution
General Office Clerk	350	4.01
Pub Admin Chief Executives, Legislators, General Administrators	230	2.64
Secretaries, Stenographers And Typists	225	2.58
All Other Clerical And Administrative Support Workers	225	2.58
All Other Professional, Paraprofessional And Technicians	215	2.46
Fire Fighting And Prevention Supervisors	205	2.35
Assessors	195	2.23
All Other Service Workers	185	2.11
Water And Liquid Waste Treatment Plant And System Operators	170	1.95
Bookkeeping, Accounting, Auditing Clerks	165	1.89
Cleaning, Building Service Occupations, Excl Private Househlds	155	1.78
All Other Protective Services	145	1.66
All Other Managers And Administrators	140	1.59
Police And Detective Supervisors	140	1.60
Crossing Guards	140	1.60
Recreation Workers	135	1.55
Construction And Building Inspectors	125	1.43
Financial Managers	115	1.32
Refuse Collectors	110	1.26
Technical Assistants, Library	105	1.20
Library Assistants And Bookmobile Drivers	105	1.20
Gardeners And Groundskeepers, Except Farm	100	1.15
Municipal Clerks	95	1.09
Typists And Word Processors	95	1.09
First Line Supervisors, Manager/supers - Prod, Constr, Maint	95	1.08
All Other Mechanics, Installers And Repairers	95	1.09
Painters, Paperhangers, Construction And Maintenance	90	1.03
All Other Construction And Extractive Occupations	90	1.03
Librarians, Professional	85	0.97
Transportation, Material Moving Machine And Vehicle Operators	85	0.97
Civil Engineers, Including Traffic Engineers	75	0.86
Emergency Medical Technicians	75	0.86
Dispatchers - Police, Fire, Ambulance	75	0.86
All Other Plant And System Operators	70	0.80
Accountants And Auditors	65	0.75
Compliance Officers, Enforcement Inspectors, Excl Construction	60	0.69
First Line Supervisors - Clerical And Administrative Clerks	60	0.69
Lawyers	55	0.63
Registered Nurses	55	0.63
Receptionists And Information Clerks	55	0.63
All Other Agricultural, Forestry And Related Workers	55	0.63
Precision Production Occupations	40	0.46

# Notes About the Data

Employment surveys frequently differ in concept and definition and thus make understanding and interpreting the data more difficult. Therefore, it is important to know how data are obtained in order to know how best to use them. The industry and occupational employment data presented in these SDA reports count jobs and are collected from surveys of Massachusetts establishments. Individuals who hold more than one job are counted at each place they work. This section presents more detail explanations of the data published in the tables.

## Industry Employment Data

Industry employment data presented in Tables 2, 3, and C, and the top ten industries in Section II are derived from the Employment and Wage Program. Industries covered in this program are defined in terms of the Standard Industrial Classification (SIC) system. The SIC separates establishments' economic activities into broad sectors (manufacturing, construction, retail trade, services, etc.). Each sector is further divided into major groups (2 digit SIC), then into industry groups (3 digit SIC) and finally into industries (4 digit SIC). Revisions to the SIC are made periodically to reflect the economy's changing industrial structure. In 1987, the SIC was revised, taking into account technological changes; institutional changes

such as deregulation in the banking, communications, and transportation industries; and the tremendous expansion in the service sector that occurred since 1972.

Some of the industry employment tables presented in these SDA reports are based on the old 1972 SIC, while others are based on the 1987 SIC revision. Industry employment data in Table 3 and the top ten industries are based on 1989 data and the 1987 SIC revision. Data from 1984 to 1989, showing the average annual employment change, net change and percent change in Table 2 are based on both the 1972 SIC and 1977 supplement, and the 1987 SIC revision. Data from 1984-1987 and 1988-1989 are based on different SICs and therefore, are not strictly comparable. However, since there were no changes to the SIC at the sector level, these measures of the SDA's industry employment change present no significant comparability problems.

Table C, presenting detailed industry employment by occupation, is derived from the Occupational Employment Statistics Survey. Industry employment is based on 1987 data and the 1972 SIC and the 1977 supplement. Staffing patterns presented in Table C are published for approximately 25 industries with a thousand or more workers.

Industry staffing patterns are presented for 2 and 3 digit industries, and major groupings of industries such as durable and nondurable goods industries. Industry staffing patterns that could violate employer confidentiality are collapsed into residual industries within the sector. As a result not all residual industries are strictly comparable across all SDAs.

## Occupational Employment Data

Occupational employment estimates presented in these SDA reports are derived from data collected by the Occupational Employment Statistic (OES) program. OES data are obtained from surveys of employment by occupation for over 300 industries. Employers include both part-time and full-time workers for the payroll periods on the 12th of April, May, and June.

The classification systems used in this survey were the Standard Occupational Classification (SOC) system and the 1972 SIC. The SOC was used to develop the definitions of the occupations included and the 1972 SIC was used to define the industries.

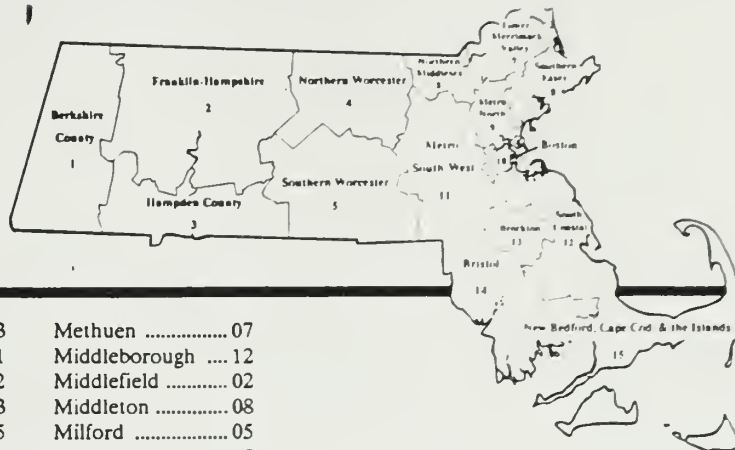
Occupational data in these SDA reports are not strictly comparable to those published in the Current Population Survey (CPS), a monthly survey of approximately 59,500 individuals conducted by the U.S. Bureau of the Census. Primarily because of the two surveys' differences in concepts and classification systems (for example, the CPS counts individuals whereas the OES survey is a count of jobs, therefore, individuals who hold more than one job are counted differently in the two surveys,) employment comparisons should not be made between the two.

Comparisons can be made for large occupations among the SDAs and between individual SDAs and the state. In general, however, it is important to remember that the occupational estimates published in this report are intended to be used as a guide to local job markets, and should not be viewed as precise estimates.



# Appendix

## Cities & Towns In Massachusetts Service Delivery Areas



A	Clarksburg .....	01	Hamden .....	03	Methuen .....	07		
Abington .....	Clinton .....	04	Hancock .....	01	Middleborough .....	12		
Acton .....	Cohasset .....	12	Hanover .....	12	Middlefield .....	02		
Acushnet .....	Colrain .....	02	Hanson .....	13	Middleton .....	08		
Adams .....	Concord .....	11	Hardwick .....	05	Milford .....	05		
Agawam .....	Conway .....	02	Harvard .....	04	Millbury .....	05		
Alford .....	Cummington .....	02	Harwich .....	15	Millis .....	11		
Amesbury .....			Hatfield .....	02	Millville .....	05	Provincetown .....	15
Amherst .....	D .....		Haverhill .....	07	Milton .....	12		
Andover .....	Dalton .....	01	Hawley .....	02	Monroe .....	02	Q & R .....	
Arlington .....	Danvers .....	08	Heath .....	02	Monson .....	03	Quincy .....	12
Ashburnham .....	Dartmouth .....	15	Hingham .....	12	Montague .....	02	Randolph .....	12
Ashby .....	Dedham .....	11	Hinsdale .....	01	Monterey .....	01	Raynham .....	14
Ashfield .....	Deerfield .....	02	Holbrook .....	12	Montgomery .....	03	Reading .....	09
Ashland .....	Dennis .....	15	Holden .....	05	Mt. Washington .....	01	Rehoboth .....	14
Athol .....	Dighton .....	14	Holland .....	03			Revere .....	09
Attleboro .....	Douglas .....	05	Holliston .....	11	N .....		Richmond .....	01
Auburn .....	Dover .....	11	Holyoke .....	03	Nahant .....	08	Rochester .....	15
Avon .....	Dracut .....	06	Hopedale .....	05	Nantucket .....	15	Rockland .....	12
Ayer .....	Dudley .....	05	Hopkinton .....	11	Natick .....	11	Rockport .....	08
	Dunstable .....	06	Hubbardston .....	04	Needham .....	11	Rowe .....	02
B .....	Duxbury .....	12	Hudson .....	11	New Ashford .....	01	Rowley .....	07
Barnstable .....			Hull .....	12	New Bedford .....	15	Royalston .....	02
Barre .....	E .....		Huntington .....	02	New Braintree .....	05	Russell .....	03
Becket .....	East Bridgewater .....	13			New Marlborough .....	01	Rutland .....	05
Bedford .....	East Brookfield .....	05	I & K .....		New Salem .....	02		
Belchertown .....	East Longmeadow .....	03	Ipswich .....	08	Newbury .....	07	S .....	
Bellingham .....	Eastham .....	15	Kingston .....	12	Newburyport .....	07	Salem .....	08
Belmont .....	Easthampton .....	02			Newton .....	11	Salisbury .....	07
Berkley .....	Easton .....	13	L .....		Norfolk .....	11	Sandisfield .....	01
Berlin .....	Edgartown .....	15	Lakeville .....	15	North Adams .....	01	Sandwich .....	15
Bernardston .....	Egremont .....	01	Lancaster .....	04	North Andover .....	07	Saugus .....	08
Beverly .....	Erving .....	02	Lanesborough .....	01	North Attleborough .....	14	Savoy .....	01
Billerica .....	Essex .....	08	Lawrence .....	07	North Brookfield .....	05	Scituate .....	12
Blackstone .....	Everett .....	09	Lee .....	01	North Reading .....	09	Seekonk .....	14
Blandford .....			Leicester .....	05	Northampton .....	02	Sharon .....	11
Bolton .....	F .....		Lenox .....	01	Northborough .....	05	Sheffield .....	01
Boston .....	Fairhaven .....	15	Leominster .....	04	Northbridge .....	05	Shelburne .....	02
Bourne .....	Fall River .....	14	Leverett .....	02	Northfield .....	02	Sherborn .....	11
Boxborough .....	Falmouth .....	15	Lexington .....	11	Norton .....	14	Shirley .....	04
Boxford .....	Fitchburg .....	04	Leydon .....	02	Norwell .....	12	Shrewsbury .....	05
Boylston .....	Florida .....	01	Lincoln .....	11	Norwood .....	11	Shutesbury .....	02
Braintree .....	Foxborough .....	11	Littleton .....	11			Somerset .....	14
Brewster .....	Framingham .....	11	Longmeadow .....	03	O .....		Somerville .....	09
Bridgewater .....	Franklin .....	11	Lowell .....	06	Oak Bluffs .....	15	South Hadley .....	02
Brimfield .....	Freetown .....	15	Ludlow .....	03	Oakham .....	05	Southampton .....	02
Brockton .....			Lunenburg .....	04	Orange .....	02	Southborough .....	11
Brookfield .....	G .....		Lynn .....	08	Orleans .....	15	Southbridge .....	05
Brookline .....	Gardner .....	04	Lynnfield .....	08	Otis .....	01	Southwick .....	03
Buckland .....	Gay Head .....	15			Oxford .....	05	Spencer .....	05
Burlington .....	Georgetown .....	07	M .....				Springfield .....	03
	Gill .....	02	Malden .....	09	P .....		Sterling .....	04
C .....	Gloucester .....	08	Manchester .....	08	Palmer .....	03	Stockbridge .....	01
Cambridge .....	Goshen .....	02	Mansfield .....	14	Paxton .....	05	Stoneham .....	09
Canton .....	Gosnold .....	15	Marblehead .....	08	Peabody .....	08	Stoughton .....	13
Carlisle .....	Grafton .....	05	Marion .....	15	Pelham .....	02	Stow .....	11
Carver .....	Granby .....	02	Marlborough .....	11	Pembroke .....	12	Sturbridge .....	05
Charlemont .....	Granville .....	03	Marshfield .....	12	Pepperell .....	04	Sudbury .....	11
Charlton .....	Great Barrington .....	01	Mashpee .....	15	Peru .....	01	Sunderland .....	02
Chatham .....	Greenfield .....	02	Mattapoisett .....	15	Petersham .....	02	Sutton .....	05
Chelmsford .....	Groton .....	04	Maynard .....	11	Phillipston .....	02	Swampscott .....	08
Chelsea .....	Groveland .....	07	Medfield .....	11	Pittsfield .....	01	Swansea .....	14
Cheshire .....			Medford .....	09	Plainfield .....	02		
Chester .....	H .....		Medway .....	11	Plainville .....	11	T .....	
Chesterfield .....	Hadley .....	02	Melrose .....	09	Plymouth .....	12	Taunton .....	14
Chicopee .....	Halifax .....	12	Mendon .....	05	Plympton .....	12	Templeton .....	04
Chilmark .....	Hamilton .....	08	Merrimac .....	07	Princeton .....	04	Tewksbury .....	06







